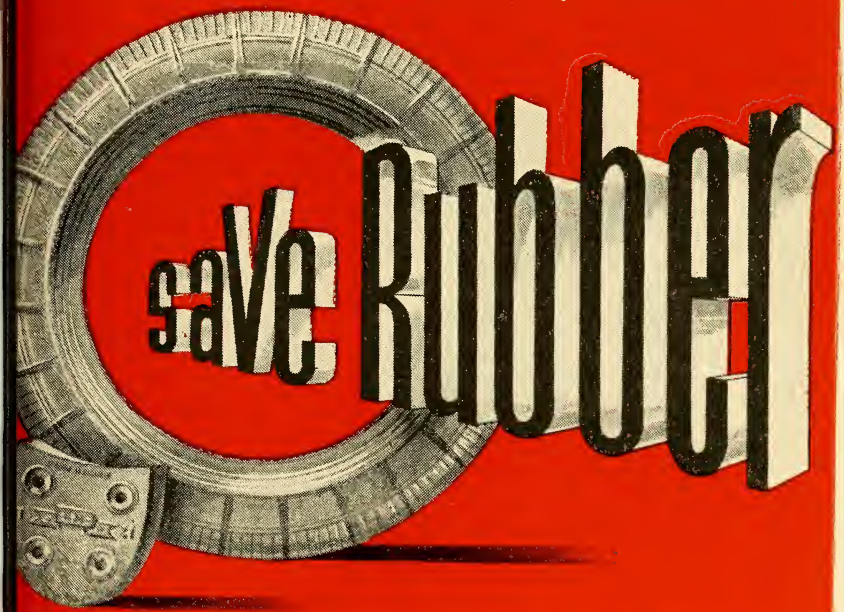
EMIST and DRUGGIST APRIL 17, 1943

The
HEMIST AND DRUGGIST
or RETAILER - WHOLESALER - MANUFACTURER

shed 1859 28 Essex Street, Strand, London, W.C.2 Registered as a Newspaper

3 2 9 7
XXXIX APRIL 17, 1943 Annual Subscription (with Diary) 25/-. Single Copies 9d.

Of the total annual world supply of 1,400,000 Tons of Raw Rubber . . . 1,100,000 Tons came from territories now temporarily occupied by Japan—



Many Chemists have displayed appeals and installed receptacles in their pharmacies to help the public in this National Effort. Do not 'tyre,' bring waste to 'heel'

BURGOYNE BURBIDGES
Established 1741. & COMPANY LIMITED. LONDON. E.6

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RETAIL PRICES

with Purchase Tax (where applicable)

of some important Parke-Davis Specialities

Size		Price EACH
25's	'Abidon' Capsules ..	4/–
25's	'Abidon' with Vitamin C Capsules ..	4/3
50's	Alophen Pills ..	2/6
Tube or jar	Analgesic Balm ..	1/8
,, ,,	Boroseptic Ointm't	1/1½
,, ,,	'Capsolin'	1/4½
1-oz.	Chloretone Inhalant	2/3
8-oz.	'Citralka' Liquid ..	3/4
25's	,, Tablets ..	3/4
4-oz.	Citronin	2/2½
16-oz.	,, ...	6/8
50's	'Desibyl' Capsules..	5/–
4-oz.	Dicalcium Phosph'te	2/2½
16-oz.	,, ,,	6/8
36's	,, ,, Wafers	1/8
Tube or jar	Emollientine ..	1/8
Tube	Euthymol Tooth Paste	1/6
Sprinkler tin	Euthymol Tooth Powder	1/6½
10 c.c.	Gluco-Fedrin ..	1/11½
1-oz.	,, ,, ...	3/4
5 c.c.	Haliverol	3/–
50 c.c.	,, ...	24/–
25's	Haliverol Capsules	4/–
100's	,, ,, ..	13/6
8-oz.	Hydrated Magnesia	1/8
16-oz.	,, ,,	2/9½

Size		Pric EAC
4-oz.	Hydrogen Peroxide	1/-
Tube	Inhalone	1/4
1-lb.	Irradex	3/6
8-oz.	'Metatone'	3/1
16-oz.	,, ...	6/8
Tins	Mycozol Dusting Powder	2/7
50 c.c.	Mycozol Liquid ..	2/7
Tube or jar	Mycozol Ointment	2/7
10 c.c.	'Nadola'	2/6
50 c.c.	,, ...	11
25's	,, Capsules ..	2/6
100's	,, ,, ..	8/-
100's	Naferon Capsules ..	7/3
Cake	'Neko' Soap ..	1/6
Tube or jar	Shaving Cream, Parke-Davis ..	1/
—	Shaving Stick, P.D. (Dermaseptic) ..	1/
—	Shaving Stick, P.D., Refill	1/
4-oz.	Stimulating Embrocation	1/
Tube or jar	Storaxol	1/
15 c.c.	Tar Dermament ..	2/
50 c.c.	,, ,, ..	5/
50's	'Ventron' Capsules	8/
Jars	'Vi-Siblin'	2/
100's	'Orygene' Tablets ..	3/

The above prices are quoted without engagement and are subject to alteration without notification

Parke, Davis & Co., 50 Beak Street, London, W

Inc. U.S.A., Liability Ltd.

ilton' Bulletin No. 12

An Announcement

STANNARD ARTIFICIAL OILED SILK

Milton Antiseptic Ltd. have pleasure in announcing that they have been ointed by William Stannard Ltd., Silk Manufacturers, Leek, sole distri-ors of Stannard Artificial Oiled Silk.

This is made to the specification of the *British Pharmaceutical Codex*, 1943, nnounced in *The Chemist and Druggist*, February 13, 1943. It is described *ricum oleatum factitium* (*seric. oleat. fact.*) artificial oiled silk. (Synonyms: oiled n, waterproofed rayon.)

TRADE PRICES (*no purchase tax*)

ach Sheet of Stannard Artificial Oiled Silk is packed in an attractive sealed folder and ied in boxes containing ½ dozen and 1 dozen sheets. Trade prices are as follows:—

6" × 6"	. . .	4/– per dozen sheets
9" × 9"	. . .	7/– „ „
12" × 12"	. . .	11/– „ „

annard Artificial Oiled Silk is also supplied in rolls, of which there are two sizes:—

36" × 18"	. . .	3/6 per roll
36" × 36"	. . .	7/– „ „

Minimum carriage paid quantity 25/– worth.

Terms. Nett. Monthly Account.

annard Artificial Oiled Silk *cannot* be included in 'Milton' Bonus Parcels, but 15/– worth d at the same time as a 'Milton' Bonus Parcel will be sent carriage paid.

SIZES OF 'MILTON' PRODUCTS NOW AVAILABLE

	Retail Prices	P.A.T.A
Milton Antiseptic	8d. and 1/11½	(inc. Purchase Tax)
Milton Denture Powder	1s. 3d. and 2s. 2d.	„ „
Milton Dental Cream	1s. 2d.	„ „
Milton Ointment	*7d. and 1/1½	„ „
Milton Nasal Sprays	3/6	(free of Purchase Tax)

* While stock lasts.

d for price list of Stannard Artificial Oiled Silk and details of 'Milton' Bonus terms.

n Antiseptic Ltd., Chapel Lane, Sands, High Wycombe, Bucks

IF IT'S A ? OF BABIES

YOU CAN RECOMMEND

SCOTT'S MOF MIDLOTHIAN OAT FOOD

WITH CONFIDENCE

M.O.F. has been known to the Medical Profession for many years as a splendid body-building food that is processed from the finest Scottish Groats.

M.O.F. is highly recommended for Expectant and Nursing Mothers, Weaning Infants and for Invalids, great care being taken in its manufacture to ensure that its natural Vitamin B content is preserved.

A DOCTOR WRITES: "M.O.F. is an ideal food both before and after the arrival of the baby . . . It promotes lactation and helps to ensure a rapid and satisfactory convalescence." M.D., F.R.C.S.E.

RETAIL PRICE 1/9 per 1 lb. tin

FOR EXPECTANT AND NURSING MOTHERS WEANING INFANTS AND INVALIDS

Specially processed from the finest Scottish Groats by **A. & R. SCOTT LTD.,**

COLINTON, MIDLOTHIAN, SCOTLAND

SCOTT'S MOF MIDLOTHIAN OAT FOOD

The Certificate of the Royal Institut of Public Health & Hygiene has bee awarded in respect of M.O.F.

VETERINARY **EVANS** PRODUCTS

This is "danger season" for

Swine erysipelas

ig-breeders will create a record demand for EVANS SERUM this year

demic amongst livestock is one of the ngs that pig-breeders can't afford today r the country either. The only assur- e against serious loss by Swine Erysi- s is through protective serum and cine treatment. Evans Serum gives nunity over a period of weeks and pro- ion can be extended to a minimum lve months with the addition of Evans cine treatment. Where the disease already developed early treatment adequate doses of Evans Serum s a proportion of recoveries as high 0% with immunity to further infection ell. In all cases the advice and assis- e of a veterinary surgeon is recom- ded. Evans Veterinary Products are consistently advertised throughout the farming papers and your co-operation with effective displays will build a strong connection amongst the local farming community resulting in new and profitable war-time sales.

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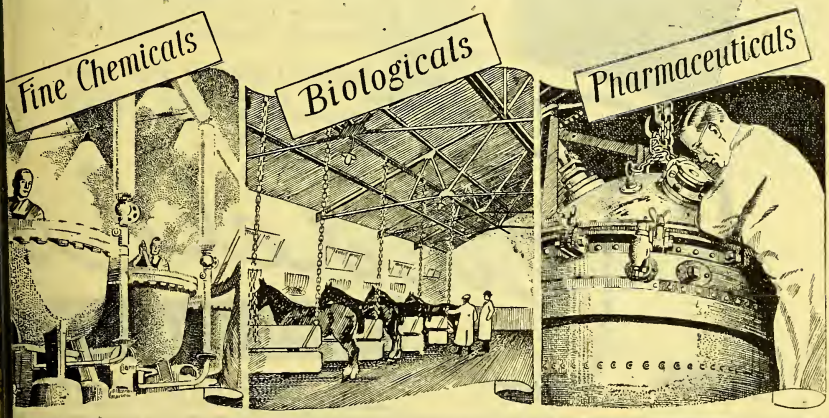
10 c.c. **1/-** : 50 c.c. **3/6** : 100 c.c. **6/-** : 250 c.c. **14/-**.

EVANS SWINE ERYSIPELAS VACCINE

5 c.c. **10d.** : 25 c.c. **3/6**.

The above prices are subject to trade discount.



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Sulphur	**Potassium**
Sodium	**Chlorine**

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Here is a perfectly balanced combination of all the elements necessary for complete remineralisation of the system. You can recommend VIKELP with every confidence. It is GENUINE—it is ethical—it is P.A.T.A.

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(*continued overleaf*)

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ANTI-COLIC. RECOMMENDED BY HOSPITALS, DOCTORS AND NURSES

- all Top, one-hole perfor-ion, ensuring constant nd steady flow.
- uffer shoulder protects aby's mouth.
- ab enables teat to be ipped over bottle in an nstant with minimum andling.

- General Resiliency MAKES IT NECESSARY FOR BABY TO WORK JAWS THEREBY RESEMBLING THE NATURAL NIPPLE.
- Collar ensures firm grip on bottle which CANNOT BE PULLED OFF BY BABY.
- Will stand Repeated STERILISATION.

MODERN in design and must be TRIED to be appreciated.

NEAREST TO NATURAL FEEDING

Th MODERN" Teat has been specifically designed to meet the needs of both MOTHER and BABY, and—what is of vital importance in these days—it LASTS LONGER. It is hygienic, odourless and tasteless.

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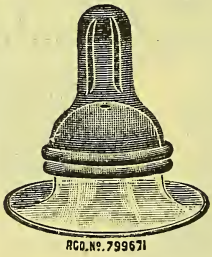

Fig. 715

WORTH YOUR ATTENTION!

HEXAGON CORN SOLVENT BOTTLE

(Fig. 434, 2 dram)

FITTED WITH THE WELL-KNOWN

"HOLLOPEG" BAKELITE CAP

with GLASS PEGS 4/-, BRUSHES 5/4 doz.

THE "ROUNDHEAD" NIPPLE SHIELD (Fig. 715)

PERFECT FIT, PAINLESS SUCTION

COMPLETE EACH IN CARTON 8/6 doz.

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VENO DRUG CO. LTD.
CHESTER ROAD · MANCHESTER, 16

Specialists in the manufacture

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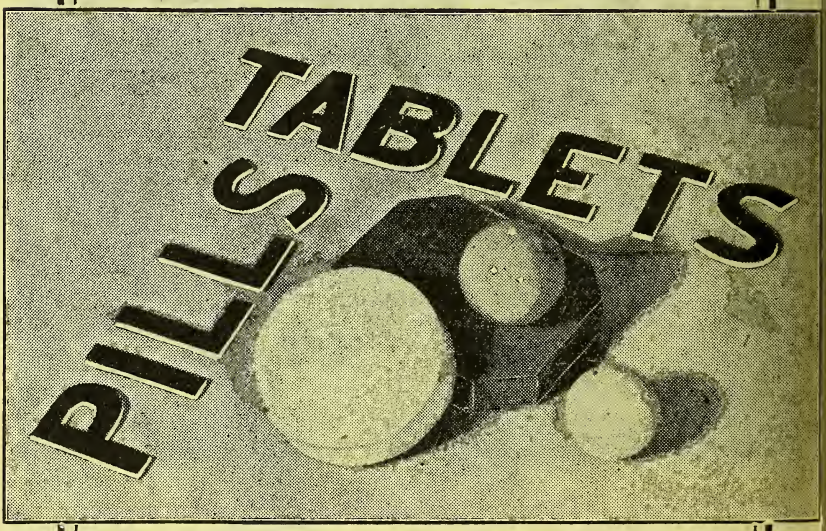

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OW . . . On Every Woman's Lips

THE SUPERFINE COSMETICS FOR WHICH WOMAN HAS BEEN WAITING

National advertising for Jean Claude Beauty Aids is now well under way. Guaranteed insertions to cover a period of 12 months have been taken in most of the Nationals and in a number of Provincials, leading Women's papers and the better class magazines.

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Supplies you can make

Lennard's Face Powder (Materials to Make), 7 lb. for 36/8, including tax per colour.
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Leg Tan. By adding water to Chocolate Brown water soluble colour, etc. (Colour, 1/3 per oz.)
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Perfume for Re-sale. Our 9/7 series (including tax) recommended after diluting.

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Compound Perfume. Spirit, Water and Oil Soluble. 2/6, 4/6 and 5/9 per oz., plus 66⅔% Purchase Tax. Minimum half-ounce.
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Size "0," 11/8; Size "1," 13/2
Size "2," 16/10, Size "3," 21/11
per gross Towels. Packed Dozens.

Price Lists charged 3d. Send addressed envelope.

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Prepare your own supplies of this high gra cream, easy to make up, costs less than 2d. p oz. All materials available, also Bottles, Scre Caps, Corks and smart Gold Seal labels. Se stamp for List. **BRICCAS LT**

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TABLETS & PILLS

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or to H. RENSHAW CLARKE, M.P.S.,
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They will be classified, priced, and *sold to Collectors* and the *Whole of the Proceeds* handed to *The Pharmaceutical Society's War Aid Fund.* A useful sum has already been realised.

Old Collections from those who are no longer interested will be especially welcomed, but no contribution will be *too small.*
Details of amounts will be published from time to time.

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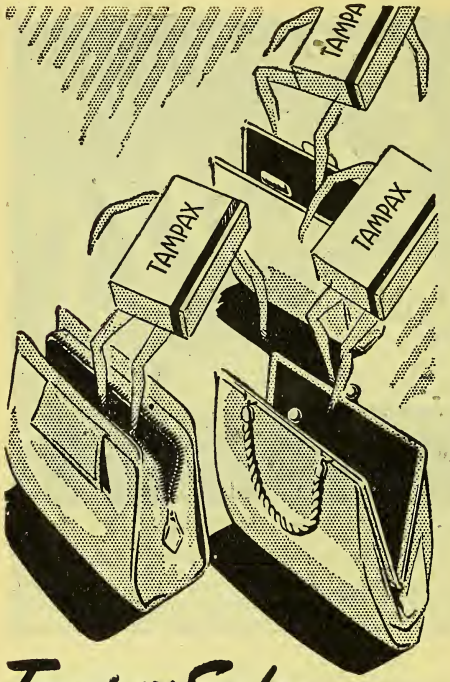

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P.A.T.A. PRICES)

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POROUS PLAISTERS. ELASTIC PLAISTE
BANDAGES
ANTISEPTIC PLAISTER DRESSINGS, " CROC
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CLINICAL REG
The position of the Mercury column is at or
perfectly plain. Red markings above oc

ALL TYPES O
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You should sell ADAPTOPLAST —THE Elastic First Aid Dressing.

—*The Traveller.*

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EXPERTS IN SPECIAL ARTICLES TO MEASURE. Ladies and Gents ABDOMINAL BELTS for all purposes. CHEST EXPANDING BRACES. SUSPENSORY BANDAGES, ELASTIC HOSIERY (seamed and seamless). TRUSSES (spring and elastic).

For all types of Hernia.

Wholesale Dealers in Medical Glass, Surgical Dressings, Invalid and Nursing Requirements. Water and Air-proof goods. General sundries.

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EST. 1830
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Write for samples and prices

THE IOCO RUBBER & WATERPROOFING CO., LTD.
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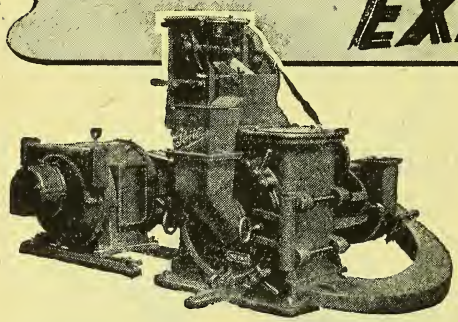

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GRINDER

No. 1544

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RB G.P.16

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RB MX.4

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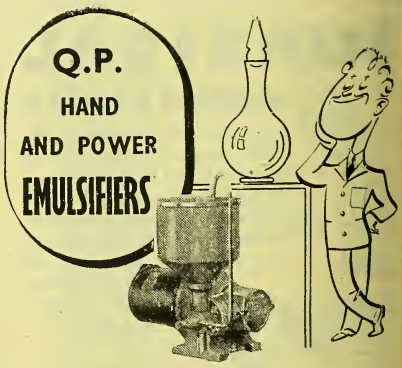

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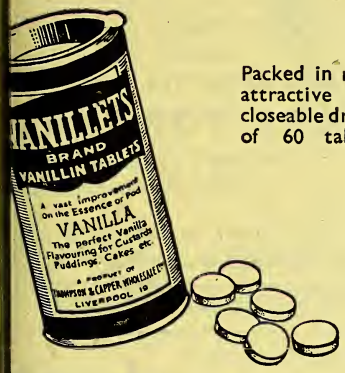

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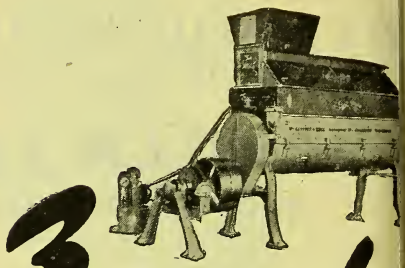

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*However, surgical caution and aseptic measu must not be relaxed.

REFERENCES; Proc. Soc. Exper. Biol.&Med., Vol. 48, Oct.
Archives of Surgery, 44; 187-207, Feb., 194
Archives of Surgery, 44; 208-222, Feb., 194
Annals of Surgery, 115; 829, May, 1942
J.A.M.A., 119; 615, June 20, 1942

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NEWS OF THE WEEK

Purchase Tax Changes.—The changes in purchase tax announced by the Chancellor of the Exchequer in his budget speech are explained in detail in a leaflet (C. & E. Notice No. 81A), copies of which have been issued by the Commissioners of Customs and Excise to all traders registered under the purchase tax.

Supplies Limitation Statistics.—The Board of Trade has issued a Direction (S.R. & O., 1943, No. 501) requiring every person whose name was, at January 31, 1943, entered in the Home Trade Register, to complete a form of return (Misc. 15) giving among other things the value of controlled goods supplied by him during the standard period June 1, 1939, to May 31, 1940, and during the restriction period August 1, 1942, to January 31, 1943. Persons whose quota was less than £100 a month and who have given the prescribed notice in writing to the Board need not complete the return, but will be directed individually to complete a separate form (Misc. 16). A copy of the appropriate form is being sent to each person concerned, but any trader who has not received his copy by May 8 should apply to the Assistant Chief Accountant, Miscellaneous Section, Industries and Manufactures Department 3, Board of Trade, Prince Albert Road, London, N.W.8.

Purchase Tax Liability.—The Commissioners of Customs and Excise have reconsidered the liability to purchase tax of yeast preparations. Henceforward such preparations will not be chargeable with tax unless they are put up for use by injection, or contain other drugs or medicaments (unless it can be shown, to the satisfaction of the Commissioners, that the proportion of added medicament is so small that it has only a nutritional effect). Tocopherol acetate is to be added to the substances regarded as put up for medicinal use only when presented for use by injection.

Industrial Clothing Arrangements.—To meet instances of hardship not covered by the general arrangements for providing clothing for industrial workers a small pool of coupons has been made available by the Board of Trade until June 19. They are reserved for undertakings engaged wholly or partly in the heavy chemical and certain other specified industries. Details are being notified to the trade unions and employers' organisations in the industries concerned. Application forms ED283 are available at all local offices of the Ministry of Labour and National Service.

Glyn-Jones Memorial Fund.—The trustees of the fund state that in June they will consider applications for grants towards college fees and/or maintenance from pharmacy students. Applicants will be required to disclose in strict confidence full details of their financial resources. Grants for college fees will be for the coming session. No application will be considered after May 10. Application forms may be obtained from the Secretary to the Trustees, Glyn-Jones Memorial Fund, 17 Bloomsbury Square, London, W.C.1.

Pharmacy Branch of St. Joseph's Society.—The report submitted to the annual meeting of the pharmacy branch, St. Joseph's Young Priest's Society, on March 28, indicated a fine record of work done during 1942. Activities had resulted in new membership in counties Kerry, Tipperary, and Louth, and in two additional wholesale factories. In some areas saturation point had nearly been reached, and efforts would be directed to propagation in certain provincial districts yet unvisited, particularly the West and Midlands. Dublin still represented 75 per cent. of the total membership and income. Mr. Davitt Walsh and co-helpers of the St. Albert's Medical Guild were again successful in obtaining supplies of valuable medicine and irreplaceable surgical appliances. Rev. Mother Mary Martin, Superioress of the Medical Missionaries of Mary, Drogheda, had acknowledged with thanks the articles forwarded to her for the Foreign Missions Section of the Order. Mainly through the untiring efforts of the Cork Branch, contacts had been made and strengthened in Tralee, Thurles and Waterford. Statement of Accounts showed that subscriptions for 1942 from retail staffs totalled £205, from wholesale staffs £120. The amount contributed to the Students' Fund was £340. Mr. A. E. Holmes (president) said that during the three years of its existence the branch had collected nearly £1,000. though the income last year had not b so much as expected, they had been a to pay sufficient to cover the cost educating seven students. Some stude had completed courses for the Afri Mission, where they had been allocated more students, as well as two Chi students in the Regional Seminary Hong Kong. Adoption of the report proposed by Mr. Liam Johnson, Cork, seconded by Mr. W. Hanley, Limerick, said the Limerick section now had f members.

Statutory Committee Meeting.—Statutory Committee of the Pharmaceu Society will meet on April 21, at 11 and on April 22 at 10.30 a.m. to cons information and evidence received by Committee from which it appears t (1) Four members of the Society convicted of offences contrary to Limita of Supplies Orders and the Defence (Gen Regulations, 1939; (2) two bodies corpo which are authorised sellers of poi directors of which were convicted of offe contrary to Limitation of Supplies O and the Defence (General) Regulations,

Vitamins for Expectant Mothers.—I April 18, capsules and tablets made specially concentrated fish liver oils be available for expectant mothers u the Government's vitamin scheme. capsule or tablet contains 4,000 int tional units of vitamin A and 800 i national units of vitamin D. They wil be available for children receiving juice and cod liver oil under the vit scheme. The capsules and tablets wi distributed through the existing cha distribution centres (welfare centres, c and food offices), the same centres a at present distributing fruit juice an liver oil. They will be distributed o same terms as cod liver oil, i.e., at (in stamps) per packet of forty-five, o of cost, according to income. One p contains six weeks' supply for expe mothers—one per day and three Expectant mothers will use the cod oil coupon sheets obtainable from food offices in order to get the capsu tablets. They may take tablets or ca or oil as they wish. The Ministry of also announces that future supplies c liver oil under the scheme will c double the present quantity of vitam The new oil will therefore have a min vitamin D potency of 200 interna units per gram.

Control of Head Lice.—A new Memo-ndum (230A/Med.) supplements informa-n contained in the Ministry of Health's morandum on "The Louse and How to al with It" (230/Med.), published by M. Stationery Office in February, 1940. special technical committee, which has n investigating the use of certain insecti-es involving laboratory and field trials certain chemical methods of killing all e and nits and of preventing reinfestation, s reached conclusions regarding 50 per nt. Lethane 384 "special" in white oil, d (*b*) a powder containing rotenone, and se are discussed in the new Memorandum.

Eire Formalin Production.—More than e's requirements of formalin have been duced by the Irish Alcohol Factory at oley, Dundalk, co. Louth, where the out-t for the past year was 8,000 gallons. e question of manufacturing ether is now ng considered by the firm. The Eire ergency Research Bureau was respon-le for initiating the production of malin when it had experiments carried at the laboratories of Trinity College, blin. The work was begun on a com-rcial scale at Cooley. Limited quantities methyl alcohol, the raw material for king formalin, are being imported from tain. In addition to large-scale dis-ction, formalin is used in Eire for rilising the soil in which tomatoes are wn.

Plymouth Private Traders.—That the vernment had used its power against poorest, the smallest, and weakest was charge made by Mr. D. Yeates, M.P.S., a meeting of the Plymouth Private aders' Association committee on April 7. said it had been stated in Parliament t over 21,000 small traders had been t out of business, and declared that no business had been closed by the Govern-nt. At least one big business ought, in view, to be closed for every hundred all ones, because small shops were erally more in touch with the people d nearer the people's homes. This made nsport easier, effecting a saving in both e and petrol. The Association's secre-y said their Association was going to ke it easier for members to get stock, d he suggested that they should unite a scheme of collective buying to combat operative trading. Mr. Yeates said they ped some day to be their own manufac-ers. He outlined a scheme for building a fund to protect the interests of mem-s in legal and other ways.

COMPANY NEWS

THE GREEN (CHEMISTS), LTD. (P.C.).—Capital £100. Chemists, druggists, etc. Ray Klarfeld and Phyllis Venn, directors. R.O.: 7–8 Great Winchester Street, London, E.6

JAS. G. GIBSON, LTD. (P.C.).—Capital £100. Perfumers, chemists, manufacturers of and dealers in proprietary articles, etc. J. C. Gibson, director. Solicitors: Stoneham & Sons, 108A Cannon Street, London, E.C.4.

MARKHAM, WILSHIRE & CO., LTD. (P.C.).—Capital £500. Manufacturers, wholesale and retail chemists, perfumers' sundriesmen, etc. Ronald Markham and Richard Wilshire, directors. R.O.: 27 Fitzroy Street, London, W.1.

GORNEY, LTD. (P.C.).—Capital £5,000. To acquire the business of soap manufacturers, etc., carried on in Manchester by Hermann and Kurt Gornitzky. Kurt Gornitzky, Hermann Gornitzky and Harry L. Weiss, directors. R.O.: 13 Merrybower Road, Manchester.

NOTTS DIRECT DISTRIBUTORS, LTD. (P.C.).—Capital £500. To acquire an agency carried on as Midland Distributors at 45 Edwin Street, Nottingham, by Joseph P. Shaw, and to conduct the business of dealers in chemicals, pharmaceutical preparations, etc. Joseph and Mrs. Ada Shaw, directors.

ROTHMAN MANCHES & CO., LTD. (P.C.).—Capital £1,000. To acquire the business of wholesale and manufacturing chemists carried on as "Rothman, Manches & Co." at 57 Tower Bridge Road, London, S.E.1, and elsewhere, by Nathaniel Rothmans David M. Manches and Lionel Aarons, Directors not named. Solicitors: Manche. & Co., 4 Broad Street Place, London, E.C.

IMPERIAL CHEMICAL INDUSTRIES, LTD.—Net profit for 1942 was £6,499,859, against £6,162,212 in 1941. Dividend on the ordinary shares is maintained at 8 per cent. for the year.

PROTECTION ORDER REVOKED.—Protection Order under Liabilities (War-time Adjustment) Act, 1941, awarded to Gerald Arthur Marshall, M.P.S., trading as E. D. Foster, 38a Camomile Street, London, E.C., on October 13, 1942, was revoked on March 11 according to a recent issue of "The London Gazette."

TOPICAL REFLECTIONS

Organisation of Employees

Your reports on pp. 371 and 381 show that the organisation of pharmaceutical employees is being well discussed, although the Executive of the National Pharmaceutical Union had not, at its March meeting, received sufficient material to justify further consideration then. Can it be that the apathy so regrettable in pharmacy has infected those who at present occupy subordinate positions but will one day have to shoulder the burdens of proprietors? The discussion at Birmingham was of service in disclosing how complex the position is, with competing trade unions laying down terms and conditions of membership not acceptable in full. In the first instance these young people will be the better for—and will, I trust, not be too proud to accept—some help in launching a scheme of organisation. My reading of the situation is that the N.P.U. offer promises a better outcome than speculative negotiations (which consume a good deal of time and a certain amount of money) with established trade unions. It was stated at Birmingham that the N.P.U. scheme is "limited to the retail trade." Whatever that statement may mean, there seems to be no reason why a class of associate members should not be established side by side with full members. The latter would be registered pharmacists employed in retail trade; the associates would be such people as could produce evidence of a close connexion with the trade—for instance, registration by the Pharmaceutical Society as students.

"Wonderful Stuff"

In your amusing quotation on p. 383 a doctor is reported to have taken a large tin of sulphapyridine tablets out of his pocket, and to have explained that he gave the remedy to "everybody who has a temperature." There appears to be a want of logic in his further remark that he stopped the treatment if no result followed, but continued it if an improvement was seen: one would have thought that the opposite policy had been indicated. There the time factor, no doubt, counted for something. The incident has, however, a serious side. The inroads made on dispensing by this type of practice must in the aggregate be considerable. Not long ago a correspondent startled me by relating a visit to a consultant physician in a fashionable quarter, as a result of which a supply of mixture a tablets was given and an appointment a second visit was made. I may be coming antiquated, but I was unaw that specialists supplied medicine to th patients: it is within most people's re lection that a generation or two ago med practitioners of eminence would have b horrified at the idea. It may, of cou be that this supply of medicine was in nature of a "try-out" to confirm a di nosis (and I have not had further news this case); but even if this is so, one is with uneasy reflections.

Medicine Chests

It is not clear to me whether the medic chests of Canada mentioned on p. 366 actual or figurative. The continuance o useful an institution in any part of world, if proved, is a matter for congra lation. These chests can contain eno emergency medicines and dressings render them of great, perhaps of vi importance, and can be secured aga the dangerous curiosity of children. this country, of late years, they h usually taken the form of a small fitm in the bathroom, chosen rather for decorative character than for its util The origin and development of medic chests is worth investigation. The fitt of them was advertised by a Southw chemist and apothecary named Tho Hattam in 1763; but they must date b considerably further. The merchant adv turers in promoting export trade can ha have overlooked the desirability of inclu medicaments in the outfit of their sh and it would be natural to secure th remedies against mishap by putting th in a strong chest or box. Several g specimens of medicine chests have b preserved in museums and elsewhere; few have been described and illustra from time to time in the *C. & D.* Of th I have seen, that of Prince "Charlie," Young Pretender, is by far the m elaborate. It presumably dates from "'Forty-five," and is now in possession of Royal College of Physicians of Edinbu The cabinet work is surprisingly good; with its numerous compartments, ha scales, mortar and other accessories chest is a marvel of ingenuity. The handles suggest that it was carried by men, for it is heavier than one person easily lift.

Xrayse

TRADE NOTES

Iew Yeast Extract.—The Trent Yeast tract Co., Ltd., Burton-on-Trent, has roduced Yestact, a new yeast extract t is claimed to be unsurpassed as a ouring agent in soups, stews and gravies, s a sandwich spread.

Vimatone.—A concentrated solution con- ning hyoscyamine and strychnine for by doctors and in hospitals as an unct in the treatment of cancer is sup- d by Thorburn & Co., 13 Conway Street, zroy Square, London, W.1, under the ne of Vimatone. It is available in 8-oz. 20-oz. bottles.

Vanillets.—Thompson & Capper Whole- , Ltd., 5a Speke Hall Road, Liverpool, have introduced a novel form of vanilla ouring in the form of Vanillets brand illin tablets. Packed in attractive re- eable drums of sixty tablets Vanillets handy, accurate and convenient to use. wcards are available for this product, ch should prove most popular.

rtificial Oiled Silk.—Milton Antiseptic, ., Chapel Lane, High Wycombe, Bucks, ounce they have been appointed sole ributors of Stannard artificial oiled silk, roduct which is made to the specification the British Pharmaceutical Codex (see & *D.*, February 13, p. 173). The prices sizes in which the silk is available are en on another page.

Bayer 1943 Price List.—Bayer Products, ., Africa House, Kingsway, London, C.2, announce that their 1943 price list now available, and pharmacists are ited to make application for copies, which be sent on receipt of one penny stamp to ply with Paper Regulations. The e list includes new lines with latest es and therapeutic indications.

Slipcleansol.—Slip Products Co., Ltd., g House, Dominion Street, London, .2, point out that whereas Slipcleansol tains ingredients that tend to counteract matitis, it is not a "buffer" solution in far that it prevents the hands from oming dirty. The prime purpose is to ove oil, grease, tar, dirt, fresh paint, , from the skin with minimum trouble to leave the hands in a soft, smooth ble condition.

New Veterinary Sera.—Two new veterin- sera are announced by Burroughs llcome & Co., 12 Red Lion Square, ndon, W.C.1. Wellcome *B. coli* anti- um is a polyvalent serum for the prophy- laxis and treatment of white scour in calves. Wellcome *C. pyogenes* anti-serum is for the prevention and treatment of *C. pyogenes* pneumonia in cattle, and for the treatment of local *C. pyogenes* infections. Both products are issued in containers of 50 c.c. and 100 c.c.

Spring-cleaning Materials.—Any preparation which tends to solve the problem of restricted supplies of cleaning materials will be welcomed by housewives, and the British Disinfectant Co., Tottenham, London, E., direct attention to their products Sprim and Plem. Sprim is claimed to possess "triple cleaning strength." It can be used for all purposes for which ammonia is normally employed in the house, and requires no coupons. Plem is a paint-cleaning preparation which is not troublesome to apply and acts easily, rapidly and efficiently.

Business Changes

GEE LAWSON TRADING CO., LTD., have removed to 10 Frognal Lane, London, N.W.3. Telephone: Hampstead 5270.

Proprietary Articles Trade Association

Alterations to Protected List.—*British Schering, Ltd.* Correction: Atophan tablets, 3s. 9d., 33s. 9d. doz., tax 5s. 7½d. doz., inclusive retail price 4s. 2½d.

Parke, Davis & Co. Manufacturers state that Fecto is now chargeable with purchase tax at 16⅔ per cent. Prices: 8-oz., 1s. 6d.; 12s. doz., tax 2s. doz., i.r.p. 1s. 8d.; 16-oz., 2s. 6d., 20s. doz., tax 3s. 4d. doz., i.r.p. 2s. 9½d.

Pure Products, Ltd. Derbac soap, 7d., 5s. doz., tax 1s. 8d. doz., i.r.p. 8½d.; 1s. 1d., 8s. 6d. doz., tax 2s. 10d. doz., i.r.p. 1s. 4d.

COMING EVENTS

Tuesday, April 20

ROMFORD BRANCH OF THE PHARMACEUTICAL SOCIETY. King's Hall, King's Head Hotel, Romford, at 7.30 p.m. Address by Mr. F. W. Adams (Deputy-secretary, Pharmaceutical Society).

Wednesday, April 21

NORTH STAFFS BRANCH OF THE PHARMACEUTICAL SOCIETY, Grand Hotel, Hanley, at 7.30 p.m. Annual meeting. Discussion on "Matters of Professional Conduct."

LEICESTER BRANCH OF THE PHARMACEUTICAL SOCIETY, Greyfriars Cafe, Market Place, Leicester, at 7.30 p.m. Annual meeting. Discussion on "Matters of Professional Conduct."

LEGAL REPORTS

Unlawful Sale of Poison.—At Bolton Borough Court, on April 5, Fred Brown, 637 Blackburn Road, Astley Bridge, pleaded guilty to selling a proprietary preparation containing ephedrine and to having sold the preparation without having his name and address on the container. Defendant was fined £2 and £3.

Alleged Fraudulent Conversion.—At Bow Street Police Court, London, recently, Francis Norman Vernon Winckler, company director, Brick Street, Park Lane, W., was committed for trial. He was charged with the fraudulent conversion of a total of £1,779, alleged to have been entrusted to him by three cosmetic firms for the payment of purchase tax. He pleaded not guilty and reserved his defence. Bail in £500 was allowed.

Testimonials as Advertisements.—At Windermere, recently, Nathanial Evans, herbalist, was summoned for publishing an advertisement in terms calculated to lead to the use of articles for the purpose of treating human beings for tuberculosis, and containing an offer to treat people for cancer.

Mr. Himsworth, for Westmorland County Council, prosecuted, and said the evidence was based on a window bill. An inspector saw in a shop window a leaflet, and drew the attention of defendant to the wording. On the leaflet were testimonials, and it was indicated that defendant offered to diagnose, treat, and cure cancer. For the defendant it was claimed that the leaflet was not an advertisement, but simply a reprint of testimonials from grateful patients. A fine of 10s. was imposed on each of the two charges.

What is a Cordial?—At the North London Police Court, on April 8, Chemos Products, Ltd., 12–14 Slough Lane, N.W. 9, answered summonses taken out at the instance of the Hackney Borough Council for selling a fruit-flavoured drink manufactured by them and labelled "Lemon Nectine" which contained 160 parts per million parts of benzoic acid, contrary to Article 4 of the Public Health (Preservatives, etc., in Food) Regulations, and for selling "Orange Nectine" which contained 120 parts per million parts of benzoic acid. For the defence it was contended that the drink was a cordial, which the Regulations permitted to contain 600 parts per million of benzoic acid, added as a preservative. The prosecution stated that samples had be submitted to the public analyst (M Douglas T. Lucke) who expressed t opinion that the article was not a cord but a refreshing drink. A cordial was stimulating or invigorating drink whi should contain either sugar or alcoh These "Nectines" did not contain either.

Dr. E. J. Parry, F.I.C., said bo "Nectines" were cordials. Before the w there was a number of unsweeten cordials.

The magistrate said he was not prepar on the evidence to say those articles we not cordials simply because they did n contain any substantial amount of sug He would put his decision in the form th on the evidence before him he was n satisfied. And he did so because it was case in which no one could suggest or wou suggest that the public had been in a way deceived as to what they were gettin The statement on the label was a perfect straightforward, decent, honest statemen instead of trying to catch people out b making them think they were getting oran juice or something like that when they we not. Also the amount of benzoic acid th was included was well within the statuto limit laid down in the schedule of the A Both summonses would therefore be di missed.

Unlawful Use of Title.—At Bolton Bo ough Court, on April 5, Phœbe Thompso Easedale Road, was summoned for usi the title "chemist" at 116 Chorley O Road, she not being a registered pharmaci There was a second summons for selling medicine without a label showing t designation of the substance or its acti constituents. It was stated that defenda had sold a packet described as "Thompson Magic Powder," which consisted simply sugar of milk. Fines of £10 and £3 we imposed.

Supervision of a Poison Sale.—At Barn ley, recently, the case in which Litt wood's Mail Order Stores, Ltd., we prosecuted by the Pharmaceutical Socie came again before the magistrates. At t first hearing of the action against the compa the charges were dismissed, but on bei taken to Appeal the King's Bench Division Court sent the case back to the Justic with a direction that the offence had be proved to have been committed (*C. & D* January 30, p. 107). The magistrates no

announced that there would be a conviction and a fine of £1 on each of two summonses alleging the sale of a poison otherwise than under the supervision of a registered pharmacist.

Sale of Pulmonary Lozenges.—At Cardiff, recently, Orzone (Wales), Ltd., Royal Arcade, were fined a total of £25 on summonses relating to Skelton's pulmonary lozenges. Mr. C. J. Hardwicke, prosecuting for the Pharmaceutical Society, said the lozenges, a substance recommended as a medicine, were sold without having written on the container the designation of the ingredients. A second summons concerned the advertising of the lozenges as treatment for human beings suffering from tuberculosis.

Mr. M. G. Lewis, an inspector employed by the Pharmaceutical Society, said he bought a book at the shop of Orzone, Ltd., Royal Arcade, Cardiff, which contained an advertisement for Skelton's pulmonary lozenges, which claimed that the lozenges were treatment for, among other things, consumption. He purchased some of the lozenges in a packet which bore no prescription. Mr. A. C. Hooper, for the defendants, submitted that as the lozenges were taken from a box which bore the requisite label the offence was a technical one.

No Supervision.—At Liverpool, on April 7, Carris's, Ltd., chemists, were fined a total of £30 on a number of summonses under the Pharmacy Acts. It was alleged that the company, not being an authorised seller of poisons, sold by retail at a branch shop in Booker Avenue, poison, namely morphine, contained in cough mixture, and another poison, ephedrine, contained in tablets. They were further summoned for having sold ephedrine in tablets in a container not labelled with the name of the seller of the poison and the address of the premises. Another summons alleged that not being authorised sellers of poisons, and not being registered as pharmacists, they unlawfully used the title "chemist" in connexion with the sale of goods at Booker Avenue.

Mr. Sydney Haworth, prosecuting for the Pharmaceutical Society of Great Britain, said that Miss Stephenson, an inspector of the Society, called at the shop on January 19, and saw there a boy, Henry Roberts. Chemists were required to display a notice giving the name and qualifications of the chemist in charge, but she could not find any notice in this shop. Miss Stephenson asked for a certain children's cough mixture, and the boy supplied it without any qualification or apology. It contained a poison. On January 21 Miss Stephenson called again, and the boy supplied her with another cough mixture, which contained morphine. On January 22 she made a third visit, and the boy sold her tablets containing ephedrine. The boy told Miss Stephenson he had had three months' experience as an apprentice, and had never had any supervision from a qualified chemist. Mr. Haworth said Miss Stephenson found in the prescriptions book no fewer than fifteen prescriptions which had been made up by the boy between December 28 and January 22 without the assistance or supervision of a qualified chemist.

Mr. S. Cawson, for the company, submitted there were extenuating circumstances. As soon as Miss Stephenson drew attention to the irregularity the shop was closed. It remained closed for a month until a qualified assistant was obtained.

Unlawful Sale of Strychnine.—A managing director's purchase of strychnine for use as a vermin killer resulted in J. H. & S. Johnson, Ltd., druggists, 34 Love Lane, Liverpool, being summoned at Liverpool Police Court, on April 7, for selling an article otherwise than as an ingredient in a medicine, contrary to Rule 15 of the Poisons Rules, 1933.

Mr. S. Howarth, for the Pharmaceutical Society, said that strychnine could be sold for the destruction of vermin against a permit issued to the purchaser by a responsible authority. When examining the company's Poisons Register, the Society's inspector found that four drachms had been supplied to Mr. Johnson (the managing director), though he was not a qualified chemist. By reason of the strychnine having been supplied an offence was committed. The company had a satisfactory organisation for dealing with the sale of poisons, but in this case had transgressed.

For the defence it was pointed out that the strychnine was sold and obtained for the purpose of destroying vermin. Unfortunately no request was made by the company for the production of the permit by the purchaser. Messrs. Johnsons had been in existence since 1802, and no complaint had been made against them previously. Their main business was with shipping supplies. A fine of £5 was imposed.

A MEMORANDUM on fuel efficiency in the plastics industry has been published by the British Plastics Federation, Ltd., 47–48 Piccadilly, London, W.1. It is intended to be a general guide in dealing with a subject of paramount importance to the war effort.

HORTICULTURE FOR THE RETAIL CHEMIST

by W. F. Elvidge, B.Sc., Ph.D., F.I.C.

VIII.—Fungicides

THE two elements which form the basis of the largest proportion of preparations used for fungicides are copper and sulphur. The former is the active ingredient of the well-known Bordeaux and Burgundy mixtures, which are essentially freshly-precipitated basic insoluble copper compounds. Many formulas have been suggested for Bordeaux mixture, the one most commonly used being the 4–4–50 formula, indicating 4 lb. each of copper sulphate and quicklime to 50 gallons of water. The method of mixing these is of importance since the most suitable physical form for spraying purposes is obtained by adding a concentrated solution of the copper sulphate to the diluted lime. It should be used immediately after preparation as, on keeping, the physical nature of the precipitated basic compound deteriorates considerably. To meet this need of freshly-prepared material, the use of stock solutions has been suggested, but although a stock solution of copper sulphate is satisfactory, it is difficult to store a stock suspension of lime without deterioration. There are available on the market powders consisting of the pre-formed Burgundy and Bordeaux precipitates for direct addition to water. In addition, there are available proprietary preparations whose active ingredients are basic copper salts, e.g., the oxychloride or oxycarbonate prepared either in a semi-colloidal paste form together with colloids and wetters, or as dried powders with the necessary wetting agents which only require mixing with water to give sprays possessing the fungicidal properties of Burgundy mixture but without the attendant trouble of preparation in the field.

Fungicidal Action of Copper

Much research work has been done in attempting to explain the fungicidal action of copper, and although the suggestion has been put forward that copper acts in the form of small traces rendered soluble, either by atmospheric conditions or by secretions from the fungus itself or the plant, it is not known in exactly what form copper exerts its fungicidal action. The latest research published from the Long Ashton Station indicates that the copper ion exerts a fundamental action, but in addition to this there is a further specific action by the acidic portion of the compound. Among the large number of organic copper compounds tried, it was found that sebecate showed the most promise. Cuprous oxide has been found superior to the cupric and it has been suggested that whilst the cupric ion is an active fungicide it is not necessarily the only and most potent form of fungicidally active copper. Cuprous oxide has recently been introduced in this country as the active base of a number of proprietary liquid and powder preparations. In addition to its fungicidal action, it must not be forgotten that soluble copper salts exert an extremely strong phytocidal effect and the fact that copper injury to plants is due to copper in a soluble form has led to attempts to reduce the tendency of copper to form soluble compounds by making Bordeaux mixture more alkaline, and the "excess lime" formula (4–12½–50) is advocated in the Ministry of Agriculture advisory leaflets for use for those varieties of apples where the 4–4–50 formula causes injury. In addition to actual copper damage, the plant may be injured by sprays exerting an action affecting the transpiration rates of the leaves.

Other forms in which copper may be exhibited in fungicides are as the deep-blue soluble cuprammonium compound, formed by adding an excess of ammonia to copper sulphate. A modification of this is the substitution of ammonium carbonate for ammonia, and we find such a mixture in the Cheshunt compound used in the control of "damping off" of tomato seedlings. It is probable that there is a whole host of copper compounds which may be used fungicidally; the relative activities of those which have been tried probably depend as much on the physical state in which they are exhibited as upon the chemical nature of the combined copper. Even finely divided copper metal itself has recently been reported effective. On the larger scale of field work, where water is not readily available, copper is often applied as a dusting powder, usually in the form of ani nsoluble basic salt in an inert base with the possible addition of a suitable sticker. For this purpose, considerably more copper must be applied dry than when used as a wet spray

the dry state as a dusting powder a per content of 15 to 20 per cent. is essary as against 0·15 per cent. in a t spray.

ir-blown" Sulphur

With regard to sulphur, the sublimed vers were at one time regarded as the st satisfactory form, and certainly rticle size plays an important part in the gicidal efficacy of sulphur dust and ays, but it is now possible to obtain table grades of "air-blown" ground phur of the correct particle size. These usually mixed with a small proportion an inert base to overcome their tendency "ball" on application. As a wet spray phur needs the addition of a suitable tting agent, and there are available mmercially a number of proprietary sul-ur sprays which in effect are suspensions sulphur sufficiently small in particle size be termed colloidal, together with the cessary wetting and suspending agents. e principal difficulty with such products to ensure that on dilution the sulphur is persed evenly so that continuous agita-n is not required in order to obtain a ay of uniform content.

In addition to sulphur in an elemental m a number of polysulphides are used, ncipal among which is lime sulphur. e two chief ingredients of this are calcium osulphate and calcium polysulphide, and er spraying and exposure to air, the final sult of a number of reactions is that the lysulphide sulphur is precipitated as free lphur, the monosulphide portion dis-rsed as hydrogen sulphide and thio-lphate by washing off with the spray ter, and the calcium carbonate formed, gether with any calcium sulphate, remains th the sulphur on the plant. The Ministry Agriculture has laid down a standard for ne sulphur, a satisfactory product to ntain not less than 24 per cent. w/v lysulphide sulphur. Liver of sulphur and mmonium polysulphide are similarly used. s an example of organic combined sulphur, tramethylthiuramdisulphide may be men-oned. Among other organic compounds und to possess promising properties ainst various fungi are the chlorinated trobenzenes and salicylanilide.

ed Dressings

The last types of compound to be entioned are those used for seed dis-fection. The old methods, consisting of eatment with either copper sulphate lution or formaldehyde, have in recent years been practically entirely superseded by the new organic mercurial dusts. In attempting to replace the very poisonous mercuric chloride, organic compounds of mercury were introduced, the first of which was a product described as "chlorphenol mercury." The most important group of compounds now produced commercially for this purpose are organo-mercuric compounds of both aliphatic and aromatic hydrocarbons, of which ethyl mercuric chloride and tolyl mercuric acetate may be quoted as typical. As these dusts are used to control both stripe disease of barley and bunt of wheat, for which the aliphatic and aromatic compounds vary in their action, it is usual to find them to contain a mixture of both aliphatic and aromatic compounds.

Avoiding Toxic Effect

The aliphatic are more liable to cause mercury damage to the seed, particularly in damp conditions, and considerable care has to be exercised in maintaining the correct ratio of aliphatics to aromatics to give the most efficient control with the least toxic effect. The usual percentage of total mercury is 1·5 per cent. and the dusts are commonly used at the rate of 2 oz. to the bushel, and it should be noted that over-dressing at more than this rate is liable to give signs of phytocidal damage. In addition to the actual mercury compounds used, attention must be paid to the type of carrier so that, when dressed at the stipulated amount, an even dressing of the seeds is obtained with all the powder retained on them. It is usual to include a dyestuff in the powder so that dressed seeds may be recognised by the fact that when a few are shaken up with either petrol or water, a red solution is obtained. The use of these mercury seed dressings has increased considerably of late years and has become of particular importance during war-time, when they have helped considerably to increase the yields per acre. The Ministry of Agriculture has stressed the importance of only dressed seeds being sown, and the retail chemist should be in a position to take advantage of the increased demand for these products resulting from this publicity.

CLOSED ON SATURDAYS.—Advertisers and subscribers are reminded that owing to war conditions the Head Office of THE CHEMIST AND DRUGGIST, 28 Essex Street, London, W.C.2, is closed on Saturdays until further notice. Urgent instructions relating to advertising and subscriptions should be sent to the *C. & D.*, 17 Argyle Street, Bath, Somerset.

PHARMACEUTICAL SOCIETY OF GREAT BRITAIN

A MEETING of the Council of the Pharmaceutical Society of Great Britain was held at 17 Bloomsbury Square, London, W.C.2, on April 6 and 7, the president (Mr. W. S. Howells) in the chair. There were also present the vice-president (Mr. F. G. Wells), Mr. J. T. Appleton, Mr. C. Davis, Mr. W. Deacon, Sir Malcolm Delevingne, Mr. J. H. Franklin, Mr. H. M. Hirst, Mrs. J. K. Irvine, Sir Walter Langdon-Brown, Mr. J. F. McNeal, Mr. G. R. Knox-Mawer, Mr. A. Meldrum, Mr. A. R. Melhuish, Mr. L. Moreton Parry, Mr. P. F. Rowsell, Mr. H. C. Shaw, Mr. H. Skinner, Mr. F. C. Wilson, Mr. J. C. Young, and the secretary (Mr. Hugh N. Linstead).

Tuesday's Session

Statutory Committee

Mr. F. W. M. Bennett, Arbroath, was elected to fill the vacancy on the Statutory Committee created by the retirement of Mr. James Jack.

Correspondence

Letters were received from the following:

1. From the Burnley Branch conveying the following resolutions: (*a*) "That this meeting of the members of the Burnley and District Branch of the Pharmaceutical Society objects to any change in the method of election of the Council of the Society before it has been discussed by a Branch Representatives' meeting." (*b*) "That this meeting of the Burnley Branch of the Pharmaceutical Society is strongly of the opinion that a co-ordinating committee of the Society, the National Pharmaceutical Union (N.P.U.) and the Association of Employee Pharmacists (A.P.E.) be formed to mould post-war pharmaceutical policy."

2. From the Plymouth Branch expressing appreciation of the action taken by the president in connexion with a recent case at the Birmingham Assizes in which the judge referred to chemists and druggists in terms which called for a reply.

3. From Mr. V. A. Kirkby accompanying a gift of lantern slides which had belonged to the late Mr. William Kirkby. The Council expressed their appreciation of this gift.

4. From the Liverpool Branch conveying the following resolution: "That, under present difficult circumstances, and assuming that all possible economies are being made, any deficiencies in the Socie income, and particularly that loss oc sioned by the waiving of Servicemen's f should preferably be made good by compulsory levy applicable to all ot members and not by requests for volunt donations."

5. From the Research Defence Soci thanking the Society for its donation ten guineas.

Wednesday's Proceedings

THE PRESIDENT, at the outset, expre the pleasure they all felt at seeing Young back at their table. MR. YOU Thank you very much.

THE PRESIDENT stated that their t surer (Mr. H. W. Wallis) was going i hospital in a few days. He proposed t the Council send him a further message sympathy, and this was agreed.

THE PRESIDENT referred to the death Mr. E. J. Millard, an auditor of the Soci and Mr. A. O. Bentley, head of the Sch of Pharmacy at University College, N tingham, and a member of the Board Examiners for England and Wales. following resolution was passed: "That Council learn with deep regret of the de of Edgar James Millard, and record t warm appreciation of his services as auditor of the Society since 1918. knowledge and experience were pla freely at the disposal of the Society, he will be remembered with gratitude the benefit which the Society derived fr his advice and assistance for so m years."

THE PRESIDENT drew attention to election to the Fellowship of the Ro Society of Dr. Ewins, a member of Codex Revision Committee. It was agr that a letter of congratulation should sent to Dr. Ewins.

No Council Election

THE SECRETARY stated that they received from the Privy Council Office Order-in-Council providing that no mem of the Council should be required to go of office in 1943.

Auditor Appointed

On the motion of THE PRESIDENT, Harry Jephcott, managing director of

o Laboratories, Ltd., who had been ciated with the Society for many years, appointed honorary auditor for the inder of the term of office of the late Millard—until the annual meeting.

ation Matters

R W. LANGDON-BROWN moved the otion of the minutes of the Education mittee, which was agreed to. He stated in the Privy Council Visitor's report xaminations the matter chiefly dealt was the Society's examination in gy. The Council had approved a estion that a special committee should to this matter. Things were proceeding g the right lines, and he hoped soon to ent a report. The Committee received tter from the University of London erning continuation of approval of ols of pharmacy, and intimating that war-time measure the University had shed inspections. The Committee ed that the Society should suspend the matic inspection of schools for the du- n of the war. With regard to post-war istruction, a letter from the Association Assistant Masters urged that equal rtunity should be given to all persons the requisite ability to enter pharmacy, recommending that premiums should bolished. This had been very much so the Society in the past, said Sir W. gdon-Brown, and they would reply to effect. Full suggestions for the basis e Society's Charter Travelling Scholar- which he believed would be acceptable e Council and the country generally, d be submitted next month.

R. A. R. MELHUISH submitted the blishment Committee's report, which ed in connexion with the return of the ety's School to London that it was ed that a meeting of the Joint School mittee should be called for May 3, and the school fees payable in London ld be £47 12s. 6d. as before.

ch Representatives' Meeting

R. F. C. WILSON presented the report he Organisation Committee, which re- mended that the Branch Representa- s' meeting should be held on June 14, and agenda consist of a discussion upon the ft Revised Statement Upon Matters of essional Conduct, followed by an ing statement by the president on ters arising from the Beveridge Report, Planning Committee's Report, and the ort of the Committee of Inquiry, to be wed by a discussion by the branch representatives. These recommendations ensued upon a letter received from the Executive of the British Pharmaceutical Conference, stating that they had no objection to the separation of the Branch Representatives' meeting from the Conference for this year, so long as it was understood that the meeting was not part of the annual meeting of the British Pharmaceutical Conference. The recommendations were adopted and, in reply to a member, THE PRESIDENT stated that the British Pharmaceutical Conference would be held some time in July.

Medical Service Resolution

Arising out of a report of the Planning Committee, the Council passed the following resolution: "That the Society is prepared to support the establishment of a comprehensive medical service available to every citizen. It considers that an essential feature of such a service will be a provision that the supply of medicines and surgical appliances shall be entrusted to pharmacists. The Society is prepared to give wholehearted support to working out a comprehensive pharmaceutical service for the community provided that the character, terms and conditions of the service are determined by negotiation and agreement with the pharmaceutical profession."

MR. J. T. APPLETON, in submitting the report of the Public Services Committee, said that they were indebted to the member of the Council who first brought to their notice the matter of the supply of N.H.I. medicines by a friendly society. The Ministry of Health, in reply to their communication, stated that the vacancy had now been filled by a pharmacist and mentioned the difficulty of obtaining pharmacists as the reason for the Ministry having been prepared to consider the appointment of an unqualified dispenser. The Committee decided that a reply be sent to the Ministry to the effect that the Council would strongly deprecate any departure from the normal policy of the Ministry and giving reasons for this attitude.

The report, which also dealt with correspondence proceeding with regard to pharmacy in the Royal Army Medical Corps, the Navy, and the R.A.F., was adopted.

The Council had referred to the Public Services Committee a resolution from the Southampton Branch stating that the proposed State medical service would seriously affect pharmacy and suggesting

that in view of this the Pharmaceutical Society should take steps to amend its Charter so as to enable it to act or negotiate upon all matters affecting pharmacists. The Branch was prepared to co-operate in the formation of a State medical service. To a request for amplification of the views expressed in the resolution the Branch made the following points: That present pharmacies be retained as such under Government control; all dispensing to be done by pharmacists; no counter-prescribing; no doctors dispensing except under conditions similar to those now prevailing under N.H.I. arrangements; the composition and distribution of all patent medicines should be under the control of a joint committee of the British Medical Association and the Pharmaceutical Society.

Mr. Appleton said that they appreciated the interest taken by the Branch in possible developments of the health service and the opportunity of learning the views of the Branch. The Council had the whole situation actively and closely under review and, among other things, the question of any new form of compensation such development might render necessary or desirable.

British Pharmaceutical Codex

The Council approved the following alternative specifications for Battiste and Jaconet:—

Battista: Page 1136 (*see also* Supplement 4, pages 69 and 70, and Supplement 5, page 8). When battiste (Battista) is prescribed or demanded, battiste complying with the following description and standard may be dispensed or supplied:—

Battiste consists of a bleached cotton fabric of plain weave, evenly proofed on both sides so that the material is impervious to water. The surface is non-adhesive and the material is soft and pliable. It must not be boiled or heated in steam. It may be sterilised by treatment with dilute solution of formaldehyde or sodium hypochlorite after washing thoroughly with warm water. Phenol or any phenolic preparation, or any substance having a strongly alkaline reaction, should not be used; a mild soap may be employed for cleansing, provided that it is completely removed afterwards by rinsing. The material should be dried thoroughly, re-dusted, preferably with boric acid powder, and stored in rolls. If ether, chloroform, alcohol, petroleum ether or other organic solvent is spilled on the battiste, it should be swabbed off immediately or the proofing may be softened.

Standard.—Battiste is composed of yarns of good uniform grade, and the material is reasonably free from weaving defects. Weight per square yard, not less than 5·75 ounces; weight of the fabric per square yard, after the removal of the proofing and o foreign matter and correcting for the nat moisture regain, not less than 2 ounces. difference between the weight per square y of the proofed material and the weight of fabric is not less than 3·75 ounces. Ave number of threads per inch, not less than in the warp and 72 in the weft. Te strength per one inch strip, not less t 40 pounds in the warp and not less t 25 pounds in the weft. Mineral matter in proofing, not more than 35 per cent.

Jaconettum: Page 1146 (*see also* Supplen 4, pages 69 and 70, and Supplement 5, pag When jaconet (Jaconettum) is prescribed demanded, jaconet complying with the follov description and standard may be dispense supplied:—

Jaconet consists of a bleached cotton fa of plain weave, evenly proofed on one sid that the material is impervious to wa The surface is non-adhesive and the mat is soft and pliable. It must not be boile heated in steam. It may be sterilised treatment with dilute solution of formaldeh or sodium hypochlorite after washing t oughly with warm water. Phenol or phenolic preparation, or any subst having a strongly alkaline reaction should be used; a mild soap may be employed cleansing, provided that it is comple removed afterwards by rinsing. The mat should be dried thoroughly, re-dus preferably with boric acid powder, and st in rolls. If ether, chloroform, alc petroleum ether or other organic solver spilled on the jaconet, it should be swal off immediately or the proofing may softened.

Standard.—Jaconet is composed of y of good uniform grade, and the materi reasonably free from weaving def Weight per square yard, not less than ounces; weight of the fabric per square y after the removal of the proofing and o foreign matter and correcting for the nat moisture regain, not less than 2 ounces. difference between the weight per square of the proofed material and the weigh the fabric is not less than 3·75 ounces. A age number of threads per inch, not less 104 in the warp and 72 in the weft. Te strength per one inch strip, not less tha pounds in the warp and not less than 25 po in the weft. Mineral matter in the proo not more than 45 per cent.

Law Committee

The Registrar's Report was rece showing that during the month the follov shops had been visited by inspect Authorised sellers 135, listed sellers drug stores 88, and that in addition drug stores and other traders had b visited by the Society's agents. The C mittee took appropriate action regar seventeen cases of infringements report

PERSONALITIES

R. J. G. WALLBRIDGE, M.P.S., who been away from business owing to alth since June 1942, has now retired e advice of his doctors. Mr. Wallbridge been associated with pharmacy since , when he commenced his apprentice- He qualified in 1887 and will be rating his seventy-seventh birthday aster Sunday.

R. EDWARD D. GLOVER, New Wortley Stores, Leeds, a member of the city ncil, has been a member of the St. John ulance Association for twenty-eight , and in recognition of his services was tted as a Serving Brother of the Order 932. Since the outbreak of war Mr. er, besides holding lectures, has con- ed 482 examinations, from which 58 first-aid and nursing certificates have issued. From his shop he has per- lly rendered first aid to the injured on occasions. In the last war Mr. Glover d in a military hospital.

MARRIAGES

SS—ROBERTS.—At Bulawayo, South- Rhodesia, on March 31, W. Roberts Gass, x Vale, S. R., to Sallie Roberts, B.A., hter of Mr. W. E. Roberts, M.P.S., nant, Llarynhupol, Pwllheli.

NG—EDWARDS.—At St. Anselm's ch, Hatch End, on April 10, Dennis A. , Lieutenant, R.E., to Joan Margaret, t daughter of Mr. A. W. Edwards, S., Casterbridge, The Avenue, Hatch Middlesex.

IGHT—SINCLAIR.—At St. Aldhelms, ksome, on April 5, Sub-Lieutenant st Digby Knight, M.P.S., R.N.V.R., Air Arm, to Pauline Grace Sinclair.

DEATHS

LENBY.—Recently, Mr. Henry Ed- d Allenby, M.P.S., High Street, Ripley, ey, aged seventy-four.

OON.—At Edinburgh, on April 1, Alfred Archibald Boon, D.Sc., Emeritus essor of Chemistry, 87 Warrender Park l, aged seventy-six. Dr. Boon was iated with Heriot-Watt College, Edin- h, from his early years as a student, about 1913 took charge of the chemistry rtment after the death of Professor on. He was appointed Professor in and retired in 1931.

BRAUER.—Recently, Mr. Frederick Henry Ferdinand Brauer, M.P.S., Hightown, Middlewich, Cheshire, aged seventy.

CAESAR.—Recently, Mr. Julius Caesar, chemist and druggist, Northwood Lodge, The Avenue, Southampton, aged fifty-three.

FRASER.—At his home, "Corrydon," Dumfries, on April 6, Mr. John Fraser, M.P.S., 84 High Street, aged seventy-five.

HARRY.—On March 3, Mr. Benjamin Harry, M.P.S., 7 Portland Place, Aberayron, Cardiganshire, aged seventy-one.

MCNAUGHT.—Recently, Leading Air-craftsman James McNaught, M.P.S., 14 Channel View, St. Ives, Cornwall. He passed the Qualifying examination of the Pharmaceutical Society in 1937.

PRINCE.—At Nottingham General Hospital, on April 4, Mr. Henry Clifford Prince, M.P.S. Mr. Prince, who qualified in 1900, had been resident in Nottingham for at least forty years, and previous to starting business on his own account was for nearly twenty years assistant to Mr. F. Ross Sergeant. He was a past-chairman of the Nottingham Branch of the Pharmaceutical Society, a P.M. of the Bentinck Lodge, and treasurer of the Temple Lodge of Free-masons. A memorial service held at St. Giles's Church, West Bridgford, was largely attended by his fellow pharmacists and Freemasons.

TURNER.—Recently, Mr. Robert Michael Turner, chemist and druggist, Oundle, aged seventy-nine.

WALSH.—At Dublin, on April 2, Mr. Joseph Aloysius Walsh, M.P.S.I. Mr. Walsh was for some years on the staff of W. F. Wells & Co., Upper Baggot Street, Dublin, prior to becoming the representative of Johnson & Johnson, and he was appointed managing director of Johnson & Johnson (Ireland), Ltd., when that company was formed in 1935. He won the gold medal at Dublin's Feis Ceoil, or musical festival, as a brilliant tenor, and was associated for many years with The Bohemians, an out-standing body of Dublin music lovers who gave frequent concerts. Among those who attended the funeral ceremonies were Mr. F. X. Meagher (president, Irish Drug Association), Sir Thomas Robinson, Messrs. Brendan Smith, W. B. Conyngham, A. J. Donnell, J. Maguire, Sylvester O'Farrell, Joseph O'Reilly, John O'Reilly and Phil Fahey (secretary, Irish Chemists' Golfing Society). Interment took place at Bally-gunner, Waterford.

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. CXXXIX APRIL 17, 1943 NO. 3297

fact that goods made of raw materials hort supply owing to war conditions are rtised in this paper or described in its orial columns should not be taken as an cation that they are necessarily available export.

ne Sixth War-time Budget

scope for further increases in taxation he introduction of some new form of ost, always a dangerous experiment, to the Chancellor of the Exchequer Kingsley Wood) in compiling his sixth Budget was extremely limited. It is rally agreed that all forms of direct tion, on individuals and on industry, already reached the limit of severity safety, while the field of indirect tion held but poor prospect as a source urther appreciable revenue. The Chan- or, however, having decided that it was ssary to raise an additional £102,500,000 placed full reliance on the frailties of kind by again increasing the duties on e apparently inexhaustible sources of nue: tobacco and alcoholic beverages er, spirits and wines. Increased taxes ntertainment, the telephone, and tele- ns, and purchase tax on luxury goods— h includes cosmetics and toilet prepara- s, cameras and photographic goods— make up the balance. On the other of the balance sheet the Chancellor made an income tax concession in ect of housekeeper and dependent- ive allowances which will remove an anomaly and hardship in many homes. So far as trade and industry are concerned the assurances of future concessions in the excess profits tax will be favourably received. Following discussions between the Board of Inland Revenue and industrial, commercial and accountancy bodies, at which one important matter considered was the question of terminal losses, the Chancellor gave an assurance that steps would be taken to see that the expenses which might be involved in the change back from war-time to peace-time conditions would be allowed as deductions in computing liability to excess profits tax. With regard to the question of repairs and renewals which, though due to be carried out, could not be owing to the war, and were therefore deferred until the end of the war, there would be a simplified procedure to permit of these allowances being granted provisionally without the detailed investigation now required.

Purchase Tax

As from April 13, the rate of purchase tax on all goods previously taxed at 66⅔ per cent. was increased to 100 per cent. This increase will be applied to, amongst other goods, cosmetics and toilet preparations, cameras and photographic accessories, and Customs and Excise have issued the following instruction:—

All classes of goods previously chargeable at 66⅔ per cent. of their wholesale value will be chargeable at 100 per cent. if delivered on or after April 13 by a registered person under a taxable sale, or if appropriated by a registered person on or after that date to retail trade or other taxable purposes.

Existing Contracts.—It is proposed to include a provision in the Finance Bill to enable registered persons, in the absence of a specific agreement to the contrary, to increase the price at which they may have contracted to supply goods of a kind subject to the increase of tax, and so to recover from the buyer the extra amount which they will now have to pay to the Crown in respect of such goods. Registered persons should accordingly make immediate arrangements for charging the increased tax on all taxable deliveries or appropriations of such goods on and after April 13.

Retail Stocks.—Stocks of goods which have already been sold and delivered to unregistered buyers, e.g. retailers, prior to that date and stocks which have previously been taxed on appropriation to retail trade are not affected by the increased tax. As regards such stocks,

any increase in price in the case of price-regulated goods would be liable to challenge under the provisions of the Goods and Services (Price Control) Acts, 1939 and 1941.

Imported Goods.—In the case of imported goods cleared for home use from a ship or from bonded warehouse, the increased rate will apply to any goods which are entered for home use by or on behalf of an unregistered buyer on or after April 13. In the case of goods entered by an unregistered person for home use without previous purchase (e.g. goods on consignment for sale), security to cover payment of tax at the higher rate will be required at the time of entry. When such goods have already been cleared on security being given, tax on the first sale after entry will be chargeable at the increased rate if the goods are delivered to the buyer under that sale on or after April 13.

Policy of Stability

Normally Budgets are primarily concerned with the raising of revenue to meet national expenditure. This year, although it is difficult to imagine a more matter-of-fact and prosaic statement than that made by Sir Kingsley Wood in Parliament on Monday last, many other factors essential to the welfare of the nation and the successful prosecution of the war were reviewed. The key to the Government's war-time financial policy during recent years, based on the experiences of the 1914–1918 war, has been "stability." Stability in finance covers and controls the whole field of national activity in the prosecution of the war and expenditure entailed in domestic affairs, cost of living and, by no means least, the ability to borrow money at cheap rates of interest. At the end of the last war the cost of living was up by over 100 per cent.; today, ont he same calculations, it has increased only 20 per cent. Money was at a high premium in 1918; today it is cheap and plentiful. In the fourth year of the 1914–1918 war the national income met only a mere 29 per cent. of expenditure; this year we shall be meeting fully 50 per cent. of a very much greater bill.

The system on which taxation is now imposed is clearly defined. The bare necessities of life are being subsidised in order to maintain purchasing prices practically at pre-war levels. Luxuries and a wide range of goods in common use in peace-time, but which cannot be termed necessities, are now taxed to such an extent that consumption must eventually become comparatively negligible. There is doubt, however, that the restricted quo of cosmetics and toilet preparations, wh on present-day standards cannot be clas as luxury goods, will meet with a re demand. The success of the war savi campaign, particularly amongst small vestors, has been substantially due to enforced condition of austere living. Lo ing forward to the days of peace and great programmes already outlined for development of social services, vast hou schemes, and industrial reorganisation expansion, these tasks, so far as they r be affected by our financial position at end of the war, should not be nearly formidable, much less hopeless, as m be feared after the unprecedented st on our resources since 1939. The na should then reap the benefit, so far as it been possible to do so, of "paying its w during the war years.

Nutritional Calcium and Phospho

ASSESSING the value of calcium and p phorus in the human economy, Sr ("Prescriber," XXXVII, 437, 16) st that 50 per cent. of diets provide b 0·68 gm. Ca daily, the level consid necessary; 70 per cent. of diets supply than the necessary minimum of 0·45 Normally the chief source of calcium is r and for adequate nutrition 700 to 1,000 (approximately 1½ pints) is required d Vegetables offer a valuable additi source, but children cannot utilise source satisfactorily for a reason not explained. The requirement of phosph in the growing human and in pregna and lactation is 0·9 gm. daily. In lacta phospholipids and inorganic phosphate the only phosphorus compounds foun the blood plasma. The phospholipid tent is greater than normal, the excess b the precursor of the fat content of the r Calcium and phosphorus metabolisms related. Both elements enter into the s ture of bone and teeth. Either may im a limiting factor on growth. Phosphor required for the maintenance of the a base equilibrium of the blood, and in synthesis of phospholipids and nu proteins. It is present in muscles and o tissues in combination with creatin, a linic acid, and as hexose phosphate. most favourable intake of calcium phosphorus is in the proportion of tw one.

SODIUM PECTATE

appearance of an additional gelatinous erial on the commercial market is a ter of interest to the pharmaceutical cosmetic trades, especially at the ent time when so many of the gums similar materials are in short supply. a material is sodium pectate, now g produced on a commercial scale from fleshy parts of the sisal plant. This rial, while having certain properties in mon with gums such as tragacanth, h render it of immediate interest in tituting such materials, at the same has other unique qualities that will for it extensive new uses.

dium pectate is extracted from sisal that has been first of all treated to ve waxes and soluble glycosides, etc., eans of new techniques that have been loped for the rather special problems lved in the extraction of pectic mate- from the sisal plant. As marketed, a nearly white powder, soluble in water ve slightly alkaline hydrophilic colloidal ions of viscosity depending on the ntration, the *p*H, and the concentra- of other sodium salts present. Solution st effected in boiling water, with good anical agitation. Sols thus prepared, concentration of about 5 per cent. or , set to the gel form on cooling; the heat-reversible, somewhat resembling formed by agar.

orming Properties

re dilute solutions, of the order of 1 per , are quite fluid at ordinary tempera- , but may be readily gelled by the ion of acids or of metallic salts, owing e formation of pectic acid and of ble gelatinous pectates. These gels uch stronger than the sodium pectate for an equivalent concentration of c material, and are not heat-reversible. may be formed by the simple addition ineral or organic acids, or of soluble m or magnesium salts, to the sodium te solution, with thorough mixing. , homogeneous gels may be produced lowing finely-divided sparingly-soluble m salts such as the citrate to dissolve y while suspended in a sodium pectate on. Mixtures of soluble and insoluble c material are produced by mixing m pectate solutions with insufficient or calcium salt to give complete ion: mucilages having a consistency r to that obtained with gum tragacanth may thus be readily produced, of *p*H varying between 6·5 and 10. All these gels are compatible with large amounts of other organic material, such as sugar, dissolved in the aqueous medium. The evaporation of thin layers of sodium pectate solutions, and of the acid and metallic salt gels produced from them, leaves tough, non-greasy, non-sticky films of pectic material, water-soluble in the case of sodium pectate, insoluble in the case of the acid and of the calcium salts, etc.

Metallic Gelatinous Pectates

Heavy-metal gelatinous pectates such as ferric, copper and zinc pectates may be readily prepared from sodium pectate for special uses. Zinc pectate is interesting in being soluble in ammonia. Ammonium pectate, prepared via pectic acid, has properties somewhat different from those of sodium pectate, particularly as regards solubility. In some cases sodium pectate in small quantities acts as a protective colloid, preventing the formation of coarse crystalline aggregates on freezing or precipitation, and also helping to stabilise certain emulsions and foams. Besides the obvious pharmaceutical uses of the gelatinous and viscous properties of sodium pectate and its derivatives, mention may be made of its use as a flocculating agent. If very small amounts of sodium pectate solution are added to turbid waters, industrial effluents, or similar liquors containing solids in suspension, together with the equivalent of calcium or other pectate-precipitating ions if these are not naturally present, a floc of insoluble pectate is formed which agglomerates the suspended matter and leads to its rapid sedimentation. Clarification of many turbid liquors without filtration may thus be readily achieved. Another similar application is the breaking of oil-in-water emulsions, which can usually be effected very quickly by the addition of a small amount of sodium pectate, followed by acid or calcium chloride; in this case the oil-containing floc floats to the surface. A related phenomenon is the creaming of rubber latex, brought about by the use of small amounts of sodium pectate solution alone. Special problems involving gels, mucilages, emulsions and suspensions are constantly met with in pharmaceutical practice, and it is probable that a material such as sodium pectate will find many novel applications as well as the more obvious.

PROPRIETARY ARTICLES TRADE ASSOCIATION

A MEETING of the council of the Proprietary Articles Trade Association was held in London on April 8, the president (Mr. W. S. Howells) in the chair.

Propaganda Committee

The council approved the recommendations of the propaganda subcommittee and the action already taken. Arrangements for general use by P.A.T.A. manufacturers of the approved P.A.T.A. symbol in their trade paper advertisements had been made. The council expressed appreciation of the assistance and co-operation received in this matter from the pharmaceutical trade Press.

Stop List and Investigation Work

Various matters relating to the stop list were dealt with. The secretary's report on price-maintenance and investigation work showed that during the past three months P.A.T.A. representatives had visited the premises of 260 traders; few instances of cutting had been found. Traders whose names still appeared on the stop list were, in nearly all cases, found to hold few, if any, P.A.T.A. lines. In the twelve months ended March 31, approximately 1,050 testing and investigation calls were made.

Annual Meeting

The annual meeting of the Association was held on April 8, the president (Mr. W. S. Howells) in the chair.

Annual Report

The annual report, the adoption of which was moved by the president and unanimously approved by the meeting, recorded that during the year 1942 the strength of the P.A.T.A. was maintained; there were 351 members of the manufacturers' section, an increase of eleven over the preceding year's total. The additions included a number of well-known and important proprietary manufacturers. The position was regarded as particularly satisfactory, as, during the years 1939–40–41, there had been a small but progressive decline in membership, due to abnormal conditions. Membership of the wholesale section remained unchanged, while in the retail section there has been a slight decrease. The P.A.T.A. co-operated with the Drug Trade Council and other organisations in securing modifications of the original s scheme for the wholesale distributio groceries and provisions, which easier the position of manufactu wholesalers and retailers of food pre tions, including the range of P.A.T.A. g of this kind sold mainly or exclusivel chemists. The noticeable decrease in p cutting referred to in recent reports maintained. The Association's inves tion and inquiry work continued w the limitations imposed by war conditions. During the year an unus large number of applications for ren from the stop list was received. council's policy in face of these applica was guided by the Association's advisers. During the year the council with various matters affecting the ap tion of purchase tax to proprietary art and its representatives had discus with Customs and Excise officials on p connected with the operation of the that had caused hardship to the Ass tion's members. The Association operated with the Central Price Regul Committee in ensuring that, when n facturers found it necessary to make increases to the trade and to the p such increases conformed to the re ments of the Goods and Services Control) Act. The P.A.T.A. had ke members well informed on this matte had been able to smooth out various culties and problems which had arisen time to time. The income and expen account showed that for the year income exceeded expenditure by £ Subscriptions from the manufact section increased by £142 and fron wholesalers' by £63; those from the section (which now numbers 10,000 clined by £6. Donations from mar turers and retailers amounted to £817

The proceedings terminated with of thanks to the secretary and staff for services during the year, and to the dent for occupying the chair at the me

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INSURANCE ACT DISPENSING

uthport.—At a meeting of the Insur- Committee held recently the Clerk a local chemist had written that he had to close his business and asking his name should be removed from the of dispensing chemists. The chairman the Pharmaceutical War Committee been pressing for the release of men for Forces. They had created a pool of men hich they could draw to send men to es where there were young men who, thought, should go into the Forces. Insurance Committee had believed e were two men available for the ict from the pool. This did not appear e the case, because the Pharmaceutical Committee had taken the first of the away. There would be some difficulty e pressure were kept up, because in hport, with one or two exceptions, e was one chemist per shop. If that went, the business might have to go.

iddlesex.—A meeting of the County maceutical Committee was held on h 24, the chairman (Mr. J. E. Goodall) e chair. Statistical data were advanced rescriptions issued in the area of the llesex Insurance Committee during the ths of November and December 1942. average cost of ingredients per 1,000 criptions in November was £26 11s. 4d., December, £27 9s. 2d. The figures esented increases of 4·8 per cent. over 1940 and 16·2 per cent. over the 1939 es, but were 8·2 per cent. below those 1941. The average dispensing fees per prescriptions in November amounted 22 3s. 2d. and in December to £22 2s. 7d., figures representing an increase of er cent. over former years. The amount ived by chemists in November was 49 more than in 1941, and £3,096 more December, while prescriptions were oximately 28,151 more in November 32,328 more in December than in 1941. insured population had increased by oximately 42,000 over the preced- year. The chairman announced that hours-of-service subcommittee had ded that the normal closing hour of nists' shops would be 6 p.m. during the mer months, subject to local arrange- ts for the dispensing of medicines in or more shops in each area until 7 p.m. nists who close before 7 p.m. are ired to exhibit a notice stating where icines can be obtained until 7 p.m.

TRADE MARKS

(*From "The Trade Marks Journal," April 7*)

"NEFCO"; for fertilisers and manures (1). By The New Era Fertiliser Co., Ltd., Weston Upper Mill, Oswestry, Shropshire. 622,013.

"DENTABRITE"; for non-medicated cleansing preparations for false teeth (3). By Domestos, Ltd., College Works, Albion Row, Byker, Newcastle-on-Tyne, 6. B620,847.

"KOSMON"; for non-medicated dentifrices and mouth washes (3). By H. Gadiel, 66 Ashford Court, Ashford Road, Willesden Green, London, N.W.2. 621,213.

"CRINASHAVE"; for non-medicated shaving preparations (3). By R. Desvaux & Co., 413 Fulham Palace Road, London, S.W.6. 621,560 (Associated).

"SULVALORE"; for preparations for the hair (3). By The Brillofix Pomade Co., 52 Whitefield Road, Leagrave, Luton, Beds. 621,589.

"MONO-MAX"; for scouring preparations (3). By Bio-Chemical Laboratories, Ltd., Burlington Road, New Malden, Surrey. 621,924 (Associated).

"STEXITABS"; for antiseptic and disinfectant tablets for personal use (5). By G. W. Taylor, 40 Duncombe Street, Walkley, Sheffield. 620,819.

"PEC"; for inhalants (5). By Pond's Extract Co., Ltd., Wadsworth Road, Perivale, Greenford, Middlesex. 620,881.

"OKOSELTZER"; for pharmaceutical preparations for making seltzer water (5). By Hormo-Pharma, Ltd., 3 Robert Street, London, W.C.2. 621,350.

PARLIAMENTARY NEWS

Rationing of Razor Blades.—Mr. Parker asked the President of the Board of Trade on April 6 whether he could make arrangements for the rationing of razor blades for civilians, in view of the continued shortage. The reply was that there would be great practical difficulties about any rationing scheme.

Penicillin.—Major Lyons asked the Minister of Health on April 8 whether he could give any report on penicillin; and whether it was available, under proper control, for appropriate cases.

Mr. E. Brown: Investigations of penicillin, including clinical trials, are being conducted at present by an expert committee set up by the Minister of Supply, who informs me that owing to the great difficulty of the problems involved, the substance is unlikely to be available for general use in the near future, even if the results of the committee's investigations are favourable.

STABILISATION AND DRYING OF DIGITALIS LEAVES

by W. M. Hughes, B.Sc., Ph.C., and J. P. Todd, Ph.D., Ph.C.

THE authors presented a communication under this title before the North British Branch of the Pharmaceutical Society in Edinburgh recently. Following are the main points.

Simple Drying Methods Needed

In view of the needs of the country for home-produced drugs it is important that the drug-drying methods recommended should be as simple as possible. There is surprisingly little evidence to support the inference that the further a drug is removed from the fresh state the less active it becomes medicinally, and it is easier to quote examples of drugs that are less useful medicinally before they are dried than of well-authenticated examples of drugs that are more useful. The obvious changes, those due to the action of oxidising enzymes which lead to development of colour and sometimes flavour, may be preceded by hydrolytic changes, but there seems little to be gained from processes such as stabilisation by alcohol vapour; a great deal of trouble and expense would be involved if these were adopted. Such changes occurring in certain vital drugs such as digitalis have been alleged to lead to loss of activity, and this is reflected in the directions for drying in various continental Pharmacopœias and especially in the B.P., where the leaves are to be dried as rapidly as possible at a temperature between 55° and 60° C. No real evidence is available to show that the hydrolytic changes in the glycosides of digitalis which have been demonstrated by Stoll cause any real loss of activity in the dried drug. The evidence suggests that digitoxin is still able to dissolve out of the dried leaf and to exert its characteristic action on the heart.

To clarify these points, experiments were carried out which ranged from the complete inactivation of the enzymes before drying the leaves to the encouragement of enzyme action so far as could be done without running the risk of bacterial and mould attack. Two types of tests were applied to the product: Clinical tests on a reasonably large scale; and tests on the frog on a sufficiently extensive scale to lead to results statistically acceptable. It is proposed to deal now only with the clinical results. Part II, dealing with the frog experim will shortly be published. The le of *Digitalis purpurea* from wild pl in the immediate vicinity of Glas were collected and each series divided three batches. One batch was stabil by alcohol vapour at a pressure of 5– per sq. in. in a special stabilising-char designed for the treatment of leaves second batch was dried as directed in B.P. at 55°–60° C. in a current of air, a third dried by laying out in a large r at 18° C. Apart from reference to international standard powder to ascer the strength of the series in units per gr the tests were between batches of the s leaf tested one against the other, differences in effect were therefore du differences in the initial treatment. leaves were found to possess an activit the same order as the I.S. powder. apparatus used for treatment with alc vapour was devised to avoid condensa of alcohol on the leaf surfaces, and alcohol which did condense was rap removed by application of a high vacu at heat. Drying took place within six ho The leaves dried at 18° C. They were spr out on the floor and benches of a room the drying allowed to proceed spor neously; drying took place slowly (up ten days) by this method. The time temperature were favourable to the act of enzymes. It is claimed that the act of enzymes was in the first batch alm entirely avoided, as the treatment initiated within two hours of collect and in the batch at 18° C. it was allo to take place so far as possible with allowing micro-organisms and mould interfere.

Clinical Tests

The different batches were finally dr to the B.P. requirement of not more th 8 per cent. moisture content, and then m into tablets each containing one gra Clinical tests were carried out by Dr. Ro under the direction of Professor N Morris in the Heart Clinic of a large Glasg Hospital, and it was concluded after series of tests that no difference could detected between the leaves treated a dried by the methods described. The te

ied out were complementary to a large ıber of frog-method assays to be ribed in part two of the paper. With ırd to the drying of the leaves at peratures above 60° C., no experiments carried out but one worker has shown overheating leads to a loss of activity. view is supported by the experience lrug growers who, experimenting with of the cyclone type of driers which depend (not always successfully) on the latent heat of evaporation to prevent excessive heating, found that a sharp loss of activity occurred in digitalis leaves dried by this method. There is, it is concluded, no evidence to show that loss of activity takes place by enzyme action in digitalis leaves dried at normal temperatures over an extended period but that loss of activity may take place if the leaves are overheated.

THE PRIVY COUNCIL

by H. Price, Ph.C.

close link between the Privy Council the Pharmaceutical Society by the ence on the latter's Council of three of Privy Council's nominees, and the stant flow of Orders-in-Council, have ıght that body much to the notice of pharmacist during the past few years. ıncient origin, the Privy Council in its ent form may be said to be derived ı the *concilium ordinarium* of Edward I, ch, having survived the repeated on-ghts of successive parliaments, assumed title of Privy Council in the fifteenth ury. Consisting of the chief ministers, ges and officers of state, its power and ıence grew so rapidly that the Commons ght unsuccessfully to curb its activities.

Record of Honour

uring the centuries its record has been of honour and integrity, save for some ısions when sovereigns have used it ıng stormy political periods for their ı ends, rather than for "the honour and ty of the Realm." Such a period ırred under the first two Stuarts, when notorious Star Chamber, bred out of of the Council's committees, wielded full majesty of the law for the benefit he rulers, who subscribed to the doctrine divine right. The Long Parliament in o robbed it of much of its powers, a ject which had been a bone of conten-ı between Charles the First and his ithful" Commons for many years. ver Cromwell, then sitting as Member Cambridge, was to the forefront in this vement, but thirteen years later he d with the aid of a similar Council.

ver of the Council

n its present form the Privy Council is tly different from its predecessors, but lds immense power delegated to it by liament and the King. Summoned to ve on the Council are men who have served their country well in the more responsible offices at home and abroad, and whom the King wishes to honour for their work. Carrying with it no emolument and no distinction save the title of "Right Honourable," the post of Privy Councillor is held by the members of the Royal Family, the members of the Cabinet, the archbishops, the Bishop of London and the colonial premiers, together with the above-mentioned members. Sitting at the King's right hand is the Lord President of the Council, who is head of the Council and manages the debates. Today membership is 300, but very rarely is it convened in full strength, a quorum being six. Members are called in rota, meeting twice monthly, and are bound by oath to "advise the Crown without partiality, affection or dread, to keep their counsel secret, to avoid corruption, and to assist in the execution of what is resolved upon." It is in Council that statesmen deliver up their seals of office on change of government.

The Council's Duties

The Council's duties are varied. The Judicial Committee is the final court of appeal from India and the Colonies, and also wields supreme appellate jurisdiction in Great Britain in matters ecclesiastical. The Board of Trade, still nominally a committee of the Council, is responsible for the administration of the Weights and Measures Acts. From 1839 to 1900, a Council committee had full authority in education matters, until in the latter year it was replaced by the Board of Education. Various Acts of Parliament affecting the pharmacist, notably the Dangerous Drugs Acts, convey to His Majesty in Council the power to make certain amendments to those Acts. The close link between His Majesty, the Society's Patron, his Privy Council and the Society, cannot but augur good for pharmacy.

TRADE REPORT

Spot quotations for pharmaceutical chemicals, crude drugs and essential oils repre the prices for wholesale quantities of standard quality. C.i.f. quotations do not incl marine war risk insurance and other abnormal charges payable in the present emerge

28 Essex Street, W.C.2, April 14

GENERAL conditions in the London drug and chemical markets are little different from those noted during the past few weeks. Business has been mostly concerned with supplying the immediate requirements of the home consuming trades, together with filling a few small export orders. Although prices of most items are keeping steady a slightly firmer tendency is discernible in some cases. Business in the PHARMACEUTICAL CHEMICALS markets has been no more than recent average, while no further important price changes have followed those recorded last week.

Crude Drugs

Business in these markets has been steady throughout the week, with a good deal of inquiry, especially for those items in short supply. Fair arrivals of Cape ALOES are reported and the price is unchanged. Most varieties of BALSAMS remain in short supply but no further price advances have occurred. BENZOIN is in fair inquiry and stocks of available material are slowly diminishing. Good requests have been received for BUCHU but there are no supplies available; the recent small allocations should, however, bring a little along in due course. Split CARDAMOM seeds are a few pence higher. Sellers of Zanzibar CLOVES are quoting at last-mentioned prices. English-grown DIGITALIS LEAVES are steady at the higher price noted last week. Interest in ERGOT is being fairly well maintained. Spot supplies of GUM ACACIA are short and the price has advanced in consequence. IPECACUANHA remains very firm with a good spot business passing but no advance in prices; prices of EXT. IPECAC. LIQ. have been increased by 2s. per lb. It is announced by the Colonial Office that the acreage under PYRETHRUM in Kenya is being substantially increased this year. No change has occurred in the prices or supply position of SEEDS. While ample stocks of SENEGA are stated to be available at source import licences are not being granted for this item. SENNA is quiet, with prices at the levels recorded last week. The use of SOYA BEANS is prohibited by Order of the Minister of Food except for human food or in the manufacture of human food; a licence is required in order to buy or soya beans otherwise than by re TURMERIC is easier on spot by at 2s. 6d. per cwt. WAXES are steady unchanged.

Essential Oils

Stocks of many essential oils are tremely difficult to locate. Prices gener are at the levels recorded during re weeks and little business is being d ANISE (STAR) remains in difficult su but the demand shows no signs of fal off. CITRONELLA continues in requ English distillers' prices for CLOVE unchanged. No advance is recorded EUCALYPTUS although supplies are limi Chinese and Japanese PEPPERMINT difficult to find and high prices are b asked for available supplies. PETITGR is rather dearer on spot. No changes h been made in the prices of FIXED OILS.

Pharmaceutical Chemicals

ACETANILIDE.—Quoted at 2s. 5d. per lb. B.P.C. crystals, with supplies restricted.

ATROPINE.—Makers' prices per oz. are follows: ALKALOID, 35s.; 4 oz., 34s. 6d.; 25 34s.; SULPHATE, 28s.; 4 oz., 27s. 6d.; 25 27s.; METHYL BROMIDE and METHYL NITR. 65s.

BENZOIC ACID.—May be had for esser pharmaceutical and medicinal purposes at f 2s. 6d. to 3s. per lb., according to quantity.

BISMUTH SALTS.—Makers' current sche is as follows:—

Salt	Under 4 lb.	4 lb. and under 8 lb.	8 lb. and under 28 lb.	28 lb. and under 1 cwt.	N l t 1
	s. d.	s. d.	s. d.	s. d.	s.
Carbonate ..	11 8	11 2	10 5	9 0	8
Citrate ..	14 0	13 6	12 9	11 0	10
Nitrate cryst.	8 0	7 6	6 9	6 0	5
Oxide ..	15 10	15 4	14 7	12 6	12
Salicylate ..	12 3	11 9	11 0	9 6	9
Subchloride	15 6	15 0	14 3	12 3	12
Subgallate ..	14 3	13 9	13 0	11 6	11
Subnitrate ..	10 3	9 9	9 0	7 10	7

Nitrate and oxide are not available for contrac

BROMIDES.—28-lb. lots of POTASSIUM quoted as follows (containers in bracke 3s. 1¾d. (28-lb.); 3s. 2¼d. (14-lb.); 3s.

; 3s. 3¾d.(4-lb.); 3s. 5½d. (1-lb.). SODIUM, r lb. extra; AMMONIUM, 2¾d. per lb. extra.

CINE.—Makers announce the following es in the prices per oz.:—

ound	Under 25 oz.	25 oz. and under 100 oz.	100 oz. and under 500 oz.
	s. d.	s. d.	s. d.
d ..	1 4½	1 4	1 3½
..	1 3½	1 3	1 2½
te ..	1 3½	1 3	1 2½

CIUM GLUCONATE.—Current rates are as s: 14 lb., 3s. 5d. per lb.; 28 lb., 3s. 2d.; 3s. 1d.; 1 cwt., 2s. 11d.

AINE.—British makers' current wholesale are as follows: HYDROCHLORIDE and TE, 25 oz. and over, 35s. 8d.; 16 oz. and an 25 oz., 36s. 10d.; over 8 oz. and ss 16 oz., 38s. per oz. ALKALOID, CITRATE ALICYLATE, 25 oz. and over, 39s. 1d.; and less than 25 oz., 40s. 4d.; over 8 oz. ss than 16 oz., 41s. 7d. per oz., 16-oz. ges free, smaller packing extra. The scale ces applicable to distributors of smaller ties is as follows: HYDROCHLORIDE and TE, 8 oz., 40s.; 4 oz. and less than 7 oz., d.; 2 oz. and less than 4 oz., 41s. 6d.; and less than 2 oz., 42s. 7d.; ½ oz. and an 1 oz., 44s. 2d.; ¼ oz. and less than 47s. 3d. per oz. ALKALOID, CITRATE and LATE, 8 oz., 43s. 5d.; 4 oz. and less than 44s.; 2 oz. and less than 4 oz., 44s. 11d.; nd less than 2 oz., 46s. 2d.; ½ oz. and less oz., 47s. 9d.; ¼ oz. and less than ½ oz., od. per oz., packages extra. Re-sale: re subject to buyer's undertaking not to any quantity below scale current at time sale. Export prices vary according to ation.

EINE.—Makers quote 4-oz. lots as follows: OID, 38s. 3d.; PHOSPHATE, 31s. 3d. per

AM OF TARTAR.—British manufacturers' s 302s. per cwt., less 2½ per cent. discount.

ERS (METHYLATED).—Details of makers' were given last week (p. 385).

LIC ACID.—Supplies are rather restricted. vould be about 8s. to 8s. 3d. per lb.

CERIN.—Prices for small quantities are ows: 56-lb. tin, 99s.; 14-lb. tin, 105s. vt., subject to 2½ per cent. discount, y-eight days.

AMINE.—Price of one-cwt. lots of free-g crystals would be in the region of 2s. 3d. ; fine crystals, a few pence less.

IATROPINE.—Makers' prices per oz. are llows (prices per gram in brackets); OID, 97s. 6d.; 4 oz., 92s. 6d.; 16 oz., 5d. (4s.); HYDROCHLORIDE, HYDRO-DE and SULPHATE, 75s.; 4 oz., 70s.; 65s. (3s. 2d.).

DELIC ACID.—Prices for MANDELATES follows: SODIUM and CALCIUM—4 oz., and 1 lb., 22s. per lb.; 4 lb., 20s. 3d.; 7 lb., 18s. 6d.; 14 lb. (in 7-lb. packages), 16s. 9d.; 28 lb. (in 7-lb. packages), 15s. per lb., net. AMMONIUM (50 per cent. solution)—4 oz., 8 oz. and 1 lb., 11s. 9d. per lb.; 4 lb., 10s. 9½d.; 7 lb., 9s. 10d.; 14 lb. (in 7-lb. packages), 8s. 11½d.; 28 lb. (in 7-lb. packages), 7s. 11d. per lb. net. Packages extra and returnable.

MERCURY IODIDES.—Makers' prices per lb. are as follows: RED, less than 7 lb., 20s. 8d.; not less than 7 lb., 20s. 2d.; not less than 14 lb., 19s. 8d. GREEN, less than 7 lb., 28s. 8d.; not less than 7 lb., 26s. 2d.; not less than 14 lb., 25s. 8d. YELLOW, less than 7 lb., 28s. 1d.; not less than 7 lb., 27s. 7d.; not less than 14 lb., 27s. 1d. net, carriage paid.

METHYL SALICYLATE.—Makers quote as follows: Five cwt., 1s. 11d. per lb.; one cwt., 1s. 11½d.; smaller lots, in bottles, 2s. 1½d. per lb.

PHENOLPHTHALEIN.—Steady at the following prices per lb.: Less than 7 lb., 4s. 6d.; 7 lb., 4s. 5d.; 14 lb., 4s. 4d.; 28 lb., 4s. 3d.; 1 cwt., 4s. 2d.

POTASSIUM NITRATE.—As noted last week (p. 385) prices have been advanced by 10s. per cwt.

SALICYLIC ACID.—Prices per lb., in quantities of one cwt., are as follows (containers in brackets): 2s. 2d. (1-lb.); 2s. 1d. (2-lb.); 2s. 0½d. (4-lb.); 1s. 11½d. (7-lb.); 1s. 11d. (14-lb.); 1s. 10½d. (28-lb.).

SANTONIN.—As noted last week (p. 385) home trade prices have been advanced.

SODIUM SALICYLATE.—The following are the current rates per lb. in quantities of 1-cwt. (containers in brackets): 2s. 6½d. (1-lb.); 2s. 5½d. (2-lb.); 2s. 5d. (4-lb.); 2s. 4d. (7-lb.); 2s. 3½d. (14-lb.); 2s. 3d. (28-lb.).

STRYCHNINE SALTS.—Details of makers' prices were given in the *C. & D.*, April 3, p. 359.

TANNIC ACID.—Price would be about 8s. or 8s. 3d. per lb., according to quantity.

TARTARIC ACID.—British makers quote 3s. 6½d. per lb., less 5 per cent. discount.

TERPINEOL.—For medicinal use at from 3s. 6d. to 4s. per lb., according to quantity.

VANILLIN.—Makers' prices are steady, as follows: Ex clove oil or guaiacol, 5 cwt., 22s. 6d. per lb.; 1 cwt., 22s. 9d.; 56 lb., 23s.; less than 56 lb., 23s. 3d.

Crude Drugs

AGAR.—Price of Kobe No. 1 for bacteriological use is unchanged at 65s. to 70s. per lb.

ALOES.—Some fair arrivals of Cape are reported. Spot price remains at 67s. 6d. per cwt., and demand is quite good. Curaçao continues in fair inquiry, but no business appears to have been done.

ANTIMONY.—Supply and price position unchanged. English minimum, 99 per cent. regulus, £120 per ton, delivered; 70 per cent. crude, for the home trade, £100 per ton, delivered.

BALSAMS.—*Tolu*, in small compass on spot, is quoted at 10s. 3d. per lb. *Canada* is difficult to find and would fetch 10s. per lb. *Peru*, steady on spot at 8s. 6d. per lb. *Copaiba*, unobtainable.

BELLADONNA.—Indian leaf on the spot is at 4s. 9d. to 5s. per lb., according to test. Root, 435s. to 475s. per cwt., according to test.

BENZOIN.—Inquiry continues; it is doubtful if any Sumatra could be had at under £22 per cwt.; good seconds would be £25 to £26. Sumatra free "almonds," for pharmaceutical use, £32.

BISMUTH METAL.—Price of high-grade metal is steadily maintained at 6s. 3d. per lb. for minimum quantities of 5 cwt.

BUCHU.—In request, but supplies are not available, although small lots may be coming along as a result of recent allocations.

CAMPHOR.—Moderate inquiry for the natural grades; prices are unchanged. Chinese, B.P., spot, 11s. 6d. per lb.; crude, 92 per cent., 10s.; Japanese slabs, 12s. English synthetic may be had by approved buyers at 8s. per lb.

CARDAMOMS.—Business quiet; the only altered price is that for spot seed, which is a shade dearer. Aleppy seed, spot, 6s. 6d. per lb.; shipment, 6s. 9d., c.i.f.; Aleppy greens, spot, 5s. 6d.; shipment, 5s. 9d.; split seed, spot, 5s. 3d. to 5s. 6d. per lb.

CHAULMOOGRA.—*Hydnocarpus* oil, 1s. 3d. per lb., in bond Liverpool.

CHILLIES.—Spot price of Mombasa remains at 100s. per cwt.; other varieties are not offered.

CLOVES.—Sellers of Zanzibar on spot offer at last-mentioned price of 1s. 5½d. per lb.; second quality, to arrive, 1s., c.i.f.

COCOA BUTTER.—Ministry of Food Order fixes the maximum price at 1s. 5½d. per lb., ex factory or warehouse, except when sold under licence.

COCONUT (DESICCATED).—Maximum price fixed by Ministry of Food Order is 49s. per cwt.

DIGITALIS LEAVES.—English-grown leaves are steady at 2s. 5d. to 2s. 6d. per lb. on spot; Portuguese, 135s. per cwt., on spot.

DRAGON'S BLOOD.—Some dull Zanzibar drop may be obtained on spot at £21 per cwt.; other varieties are not available.

ELEMI.—Spot price of No. 1 gum is unchanged at 300s. per cwt.

ERGOT.—Interest is being fairly well maintained. Prices are at the levels quoted last week (p. 356).

GUM ACACIA.—Spot supplies are short and the price has advanced to 105s. per cwt. for Kordofan cleaned sorts; afloat, 75s., c.i.f.; shipment, 65s. per cwt., c.i.f. Bleached gum would be available for shipment at 130s. per cwt., c.i.f.

HENBANE.—Some East Indian low-testing material may be had on spot at 200s. per cwt.

IPECACUANHA.—Very firm, with good spot business but no advances in prices. Good-testing Matto Grosso, 21s. to 21s. 6d. per lb.; No. B.P. Minas can be had, but material testing slightly under B.P. can be bought on spot at 17s 17s. 6d. per lb., probably nearer the l figure. Prices of EXT. IPECAC. LIQ. were vanced on April 6 by 2s. per lb.; current are as follows: Winchesters, B.P., 1932, u three, 30s. 6d. per lb.; three and under six, six and under twelve, 27s. 6d.; twelve and 28s. B.P., 1914, under three, 28s. 6d.; and under six, 28s.; six and under tw 27s. 6d.; twelve and over, 27s. per lb.; prices quoted are on a net basis.

JABORANDI.—Small spot supplies may be from dealers at 60s. per cwt.

JALAP.—Brazilian root, 16 per cent. resi offered on spot at 105s. per cwt.; 13 per resin may be had at 90s.

KAMALA.—Material yielding 5 per cent. may be had on spot at 2s. per lb., but avai supplies are small.

LIQUORICE ROOT.—Spot supplies of Anat may be had at 80s. per cwt.

MENTHOL.—Demand continues good but doubtful if any supplies of Chinese remai spot at under 76s. per lb.; some holders asking 77s. 6d.

MERCURY.—Controlled prices range £68 10s. to £69 15s. per bottle for quantiti over 7 lb.

MYRRH.—Aden sorts steady on spot at to £20 per cwt., according to quality.

NUTMEGS.—West Indian, wormy and br may be had on spot at 1s. 6d. per lb., and s unassorted at 1s. 9d.

NUX VOMICA.—Cochin, washed and gar spot, 42s. 6d. per cwt., ex warehouse Glas Cocanada, spot, 37s. 6d. per cwt., also ex house Glasgow.

ORANGE PEEL.—Bitter quarters continue offered on spot at 3s. 3d. per lb.

PAPAIN.—Spot, 17s. 6d. per lb., nominal

PEPPERS.—Maximum prices of whole, picked over or cleaned, on sale to proce are 1s. 4d. per lb. for white, and 1s. per l black, both duty paid.

PIMENTO.—Steady on spot at 1s. 8d. pe sellers; shipment price is not quoted.

PODOPHYLLUM.—Spot, 14·6 per cent., per cwt.; 17 per cent., 87s. 6d.

PSYLLIUM SEED.—Indian seed may be on the spot at 1s. 3d. per lb., ex store.

PYRETHRUM.—It is announced that Ken increasing her acreage under pyrethrum. Colony's production, now required for war poses, is stated to be twelve times as gre in 1936.

QUILLAIA BARK.—Crushed or cut quote spot at 115s. per cwt.; natural, afloat, per cwt., c.i.f.

RHUBARB.—Rather more inquiry this Good-quality rough-round may be had on at from 7s. 6d. to 7s. 9d. per lb. Some flat dried with a rough coat but a good fracture is offered at 8s., and some S pickings may be bought at 9s. 6d.

APONIN.—Spot may be had at 7s. 6d. per ex store; shipment, 6s. 6d., c.i.f.

EEDS.—Very little business passing; prices supply position unchanged. CORIANDER.—an, 82s. 6d. per cwt. CUMIN.—Maltese, spot, .; Indian, 125s.; English, 150s. DILL.—, quoted at 180s. FENNEL.—Indian, a little lable at 100s. to 110s. FENUGREEK.—90s. TARD.—Controlled (see *C. & D.*, November 1942, p. 566).

ENEGA.—In considerable request, but no plies are available. Ample stocks are avail-at origin, but import licences are not being ted.

NNA.—Quiet conditions obtain, with no e movements. Tinnevelly No. 1, 9d. to 10d. lb.; No. 2, 7d. to 7½d.; No. 3, 5½d. to 6d. andrian broken, 1s. 3d. to 1s. 4d. Good l-picked Tinnevelly pods, 11d. to 1s. 2d.; nary grade, 10d. to 11d.; manufacturing, to 7½d. Hand-picked Alexandrian pods, d. to 6s., according to quality.

YA BEANS.—The Minister of Food has issued rder—Soya Beans (Control) Order, 1943—ibiting the use of soya beans except for an food or in the manufacture of human It also stipulates that any person wishing ay or sell soya beans, otherwise than by , must first obtain a licence from the stry of Food. The Order (S. R. & O., 1943, 517, price 1d.) came into force on April 11.

UILL.—Portuguese bulb, spot, 95s. per Indian, 75s.

ROPHANTHUS.—Business of small dimen-; values unchanged. Kombé seed, 100 per , spot, 10s. 6d. per lb. for small lots; ized orders can be taken at lower prices.

AGACANTH.—Medium grades are unchanged e week: No. 1, white, £130 per cwt.; No. 2, , £115; No. 3, white, £102; No. 4, white, pale leaf, £73; amber leaf, £65; dark 1, £50; brown leaf, £45; red-and-brown £38; red leaf, from £32; light hoggy, from woody and dark hoggy, £12.

RMERIC.—Easier at 60s. per cwt. for l-quality Madras finger; wormy, 57s. 6d.; d, 80s.

LERIAN ROOT.—Indian root may be ned on spot at 105s. per cwt., ex store.

XES.—Steady and unchanged. CAR-A.—Fatty grey and chalky grey, spot, quoted at 430s. per cwt.; Primeira, 520s., al. BEES'.—Supplied only through the iation of Merchant Distributors of Bees-

Essential and Expressed Oils

SE (STAR).—Supplies remain difficult to . Drums, if available on spot, would be out 54s. per lb.

.—Available in small compass on spot at 12s. 6d. per lb.

S DE ROSE.—Spot price remains at about er lb.

UPUT.—Supplies are restricted; spot, held for about 17s. 6d. per lb.

CASTOR.—Controlled prices for bulk supplies are as follows: "Firsts," £72 per ton, "Seconds," £70 per ton, naked ex works.

CEDARWOOD.—Spot price of English oil is steady at around 16s. per lb.

CINNAMON LEAF.—Small quantities may be had from dealers at about 15s. per lb.

CITRONELLA.—Continues in demand. Java, spot, 22s. to 24s. per lb.; Ceylon, 19s. to 20s.

CLOVE.—English distillers' prices are steady at 14s. per lb. for ordinary quantities.

COCONUT.—Controlled prices of bulk supplies are as follows: Crude, £36 12s. 6d. per ton; refined deodorised, £40; refined hardened deodorised, £44; all naked ex works.

COTTONSEED.—Official price of refined deodorised, £49 per ton, naked ex works.

CROTON.—Quoted at 9s. 6d. per lb. on spot.

EUCALYPTUS.—Spot, 70 to 75 per cent., 5s. 6d. per lb.

GINGERGRASS.—Dealers would be able to supply small lots on spot at about 24s. per lb.

GROUNDNUT.—No change has occurred in controlled prices at £48 to £54 per ton, naked ex works, according to grade.

LAVENDER.—Any good-quality oil on spot would be worth about 90s. per lb.

LEMONGRASS.—Spot price would be in the region of 15s. to 16s. per lb.

LINSEED.—Controlled price of £46 10s. per ton for large bulk quantities of crude, naked ex works, is unchanged. Distributors' prices for ordinary quantities at rather higher rates.

PALMAROSA.—Spot price for small available supplies would be around 32s. 6d. per lb.

PATCHOULI.—Any good-quality spot oil would fetch approximately 75s. per lb.

PENNYROYAL.—Small quantities may be had on spot at around 40s. per lb.

PEPPERMINT.—Still in good demand, but it seems almost impossible to locate Chinese or Japanese oils at under 90s. per lb.; even at that price supplies would be confined to a few cases. With regard to American oils it would be of interest to learn whether in fact any Lease-Lend supplies have yet been allocated, as no general distribution through the usual channels appears to have taken place.

PETITGRAIN.—Dealers offer small quantities on spot at about 25s. per lb.

RAPESEED.—Controlled price of crude remains at £54 per ton, naked ex works.

ROSEMARY.—In limited supply on spot, price would be in the region of 16s. per lb.

SASSAFRAS.—If available on spot, price would be about 19s. per lb.

SPEARMINT.—Spot, about 40s. per lb., if available.

THYME.—High-quality, on spot, is valued at about 25s. per lb., but lower-phenol-containing oils would be cheaper.

YLANG-YLANG.—Good-quality oil may be obtained on spot at approximately 85s. per lb.

CORRESPONDENCE

Correspondents may adopt an assumed name, but must in all cases furnish their real n and address to the Editor

Linking Chemists with Health Publicity

SIR,—Once upon a time efforts were made by the N.P.U. to institute national advertising for chemists without success. I wonder how many chemists realise that during this war advertising is being carried on by the Government which must be beneficial to pharmacists without expense to the latter. I refer to the posters "Coughs and Sneezes," etc., in buses, trams and other places; also the threepenny booklet recently issued, "How to Keep Well in War-time," advertised through Broadcasting House. Had they mentioned that the booklet could be obtained through chemists it would be sensible, but too much, I suppose, of a free advertisement for chemists. However, it would pay all retail chemists to order a few. Fifty can be obtained for 10s., plus postage, from the Stationery Office. If every retailer displayed these, the benefits that would accrue might in the aggregate be appreciable. At any rate, it would link up the chemist with the advertising and would to some extent be equivalent to national advertising. The booklets could be sold or even given away to selected clients.

Yours faithfully,

London, S.E.10. J. MILNER.

Importance of Chemist's Title

SIR,—Reference is frequently made to the word "chemist" over the radio and in the Press, and, in the issue of "The Spectator" dated April 9 appears an article entitled "The Chemist's Age," by Professor I. M. Heilbron, D.S.O., F.R.S., from which the following is an extract: "Among the various divisions of science, chemistry is unique in that it obtrudes itself into every phase of present-day civilisation. Many of the outstanding advances in medical science have resulted directly from the creative genius of the chemist. One has only to think of the profound influence of anæsthetics and antiseptics on modern surgery and the astounding advances in chemotherapy." Without an expert knowledge of chemistry there could have been no such creative genius and such experts have no need to devise any other word than chemist for themselves, for the word is quite significant in its meaning. Why or how we came to adopt it I do not know because, when used *per se*, it implies an expert knowledg chemistry which we do not, as a b possess. Mr. F. D. Chambers is q correct, for I cannot derive any satisfac in being credited with something that not possess, and, therefore, would gl relinquish its use. Let us by all m retain the word subject always to qualification of the word "pharmaceuti and thereby let logic prevail and ba misunderstanding in the layman's minc

Yours faithfully,

London, E.11. L. MATTHEW

The Late E. F. Linstead

SIR,—It was with considerable r that I learnt that my old friend, E Linstead, had passed away. I had kr him for nearly forty years, for he was of my earliest business contacts wh first came to London. Mr. Linstead w man of culture and literary ability. him is largely due the creation (unde ægis of Sir Henry Wellcome), and maintenance throughout the years, o distinctive style of advertising w characterised the Burroughs Well products. The care and research expe in preparing and perpetuating these nouncements must have been very g for the interest had to be kept up al time. But the touch of distinction al remained and it was the same in practi every medical and pharmaceutical pul tion all over the world. Mr. Lin (unlike his eldest son) never figured i maelstrom of pharmaceutical politics we occasionally met at social pharmace functions.

Yours faithfully,

Surbiton. WILLIAM CHALME

Engaging an Architect

SIR,—Among the many practical in the excellent paper by Mr. S. A. Ga on "What to Do if your Pharma Blitzed" (*C. & D.*, April 10, p. 379) th on engaging an architect will perhaps emphasis in this column. The av occupier of premises is not in a positi know when they are structurally sound I have known it happen that damag bombing has not disclosed itself till time afterwards.—I am, etc.,

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Iodine Iodoform

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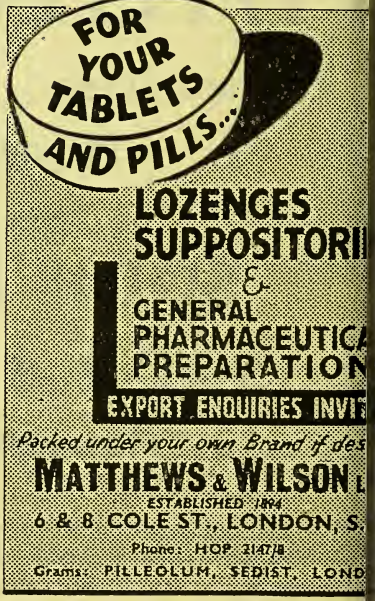

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ith propaganda now proceeding in the dical press, the ollowing reference should ove helpful in dealing with any inquiries.

ecent series of trials carried out under critical ervation showed that Kathiolan Ointment was npletely effective in every case treated, all es being killed with one application in twenty-r-hours.—Ref. "British Medical Journal," /1942. Page 2.

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General fatigue and debility, hypertension, infective conditions, night blindness.

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For first class TABLET MANUFACTURING SERVICE
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Established 1787 In the Reign of King George III

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CURICONES

before re-ordering

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Remember he is as short-handed as you.

NOW only 2 sizes

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Small Size **5/-** Large Size **24/-**

P.A.T.A. line showing 33⅓% profit

ORDER THROUGH YOUR USUAL WHOLESALER

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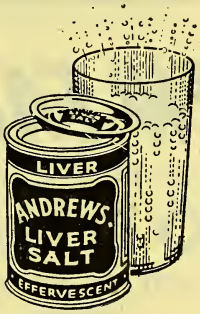
customers please note that invoices for their supplies of Andrews are now marked: "INVOICE *AND* STATEMENT."

This is our way of asking them to pay direct from the Invoice and not to expect a further statement of account. By introducing this rule, valuable paper is saved and less labour is required. This helps the national effort.

LOST IN TRANSIT: Would customers please notify us of any non-delivery of Andrews within 14 days of receiving the invoice.



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LIVER SALT

The Ideal Tonic Laxative

SCOTT & TURNER LTD.
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for this excellent and
PROVED PRODUCT

The therapeutic value and purity of Vironita justify universal trade support. The formula fulfils the special requirements of an independent consulting Scientific and Analytical Staff. Our advertising in the National and Provincial Press, including the *Daily Mail*, *Sunday Dispatch*, *Sunday People*, *Daily Herald* and *John Bull*, in addition to outdoor publicity, ensures a quick turnover of stock.

All stocks are warranted to comply with the Food aud Drug Act and all Statutory requirements.

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for many common ailments including

THE COMMON COLD
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8-oz. tins
NEW RETAIL
2/6
SELLING PRICE
(Including tax)

A
LIMITED SUPPLY ONLY
of 4-oz tins
RETAIL
1/3
(Inclusive of tax)

WHOLESALE PRICE
9/3 & 18/6 doz.

LOFTHOUSE & SALTMEI
LIMITED HULL

NTERNATIONAL CHEM. CO. LD.

REVISED CONTENTS OF STANDARD PARCELS

OWING to shortage of labour and packing materials (and in order to comply with the Government's demand for utmost economy), we have been compelled to restrict the direct supply of our four main products to pre-packed parcels only. To meet the requests of a number of our customers, we have recently revised our original parcels to the contents shown below. Retailers requiring assortments other than these can obtain from their Wholesalers.

The minimum for a direct order remains at £5, which can be made up by parcel 'A'; or by any two of parcels 'B' to 'O'; or by any one of 'B' to 'O' plus a selection of our other preparations, such as Alkia Saltrates, Bisuroids, Nemakol and Nemolin. Toilet lines may also be included to the value of your quota.

Co-operation allowances: On orders of £5.....7½% £10.....10%

	1 doz. 1/5 Bismag Powder ...	12	0
	½ „ 2/10 „ „ ...	12	0
	2 „ 1/5 „ Tablets ...	1 4	0
	1 „ 2/10 „ „ ...	1 4	0
	1 „ 1/9 Pineate Honey Cough-Syrup	13	9
	1 „ 2/3 Limestone Phosphate	18	0
	1 „ 1/5 Freezone Corn Remover	11	3
		£5 15	0
	Purchase Tax on all goods and on bonus	1 1	1
		£6 16	1

	3 doz. 1/5 Bismag Powder ...	1 16	0
	1 „ 2/10 „ „ ...	1 4	0
		£3 0	0
	Purchase Tax on above and on bonus	11	8
		£3 11	8

	3 doz. 1/5 Bismag Tablets ...	1 16	0
	1 „ 2/10 „ „ ...	1 4	0
		£3 0	0
	Purchase Tax on above and on bonus	11	8
		£3 11	8

	1 doz. 1/5 Bismag Powder ...	12	0
	2 „ 1/5 „ Tablets ...	1 4	0
	1 „ 2/10 „ „ ...	1 4	0
		£3 0	0
	Purchase Tax on above and on bonus	11	8
		£3 11	8

	1 doz. 1/5 Bismag Powder ...	12	0
	½ „ 2/10 „ „ ...	12	0
	2 „ 1/5 „ Tablets ...	1 4	0
	½ „ 2/10 „ „ ...	12	0
		£3 0	0
	Purchase Tax on above and on bonus	11	8
		£3 11	8

F	1 doz. 2/10 Bismag Powder ...	1 4	0
	1½ „ 2/10 „ Tablets ...	1 16	0
		£3 0	0
	Purchase Tax on above and on bonus	11	8
		£3 11	8

H	1½ doz. 1/5 Bismag Powder ...	18	0
	3 „ 1/5 „ Tablets ...	1 16	0
		£2 14	0
	Purchase Tax on above and on bonus	10	6
		£3 4	6

J	2 doz. 1/5 Freezone Corn Remover	1 2	6
	1 „ 2/3 Limestone Phosphate	18	0
	1 „ 1/9 Pineate Honey Cough-Syrup	13	9
		£2 14	3
	Purchase Tax	9	0
		£3 3	3

K	4 doz. 1/9 Pineate Honey Cough-Syrup	2 15	0
	Purchase Tax	9	2
		£3 4	2

L	6 doz. 1/5 Freezone Corn Remover	3 7	6
	Purchase Tax	11	3
		£3 18	9

N	2 doz. 1/5 Freezone Corn Remover	1 2	6
	2 „ 1/9 Pineate Honey Cough-Syrup	1 7	6
		£2 10	0
	Purchase Tax	8	4
		£2 18	4

O	3 doz. 2/3 Limestone Phosphate	2 14	0
	Purchase Tax	9	0
		£3 3	0

Above consumer prices include Purchase Tax

BONUS TERMS: 14 to the dozen on 'Bisurated' Magnesia Powder and Tablets in return for fourteen days' window display. 'Bisurated' Magnesia Powder—Bonus in Mint Powder. 'Bisurated' Magnesia Tablets — Bonus in Tablets.

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Stickers & Showcards Still Available but

PLEASE MAKE the BEST USE of ANY YOU HAVE!

We have always pointed out to chemists the importance to their own interests of using display material to the best advantage. Now it has become a matter of vital concern to the nation. **Existing stocks of showcards, stickers, etc., must be made to last.** They cannot be replaced. Will you please help us by making the most of any 'ASPRO' showcards or stickers you already have. **You will be doing the best possible service to your business at the same time.** So remember: **a continuous 'ASPRO' show** will capitalise for your shop the vast 'ASPRO' goodwill created by our advertising campaigns — just as though you paid for the advertisements yourself.

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Our labour is required for munitions, which further complicates our difficulties; petrol restrictions also are creating labour waste. If you find representatives are not calling please send your order DIRECT, IF you have not received your quota of MEDICATIONS (non-points goods) or BARLEY SUGAR (points goods) during the last four months. Please do not create clerical work by sending earlier, as cheques and orders will only have to be returned.

A. L. SIMPKIN & CO. LTD.
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DULCIN

Manufacturers: Pal Chemicals Ltd.

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91/93 Charterhouse Street, London, E.C.1
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In 1½, 2½ & 3½ oz. Jars

Importers of
" Certified " PURE EXTRACT OF BEEF

In ¼, 1, 2, 8 & 50 l Tins

PRICES ON APPLICATION

Used regularly is invaluable in warding off colds influenza, etc. Is very sustaining during illness and a wonderful stimulant in convalescence.

"ZEMS"

ERBAL LICORICE TABLETS

HE BEST MEDICATED TABLET FOR COUGHS, COLDS ASTHMA, BRONCHITIS, ETC.

Supplies may be obtained from C.F. Wholesale Houses

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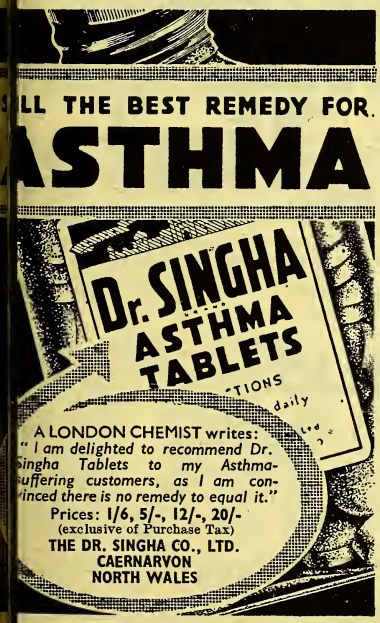

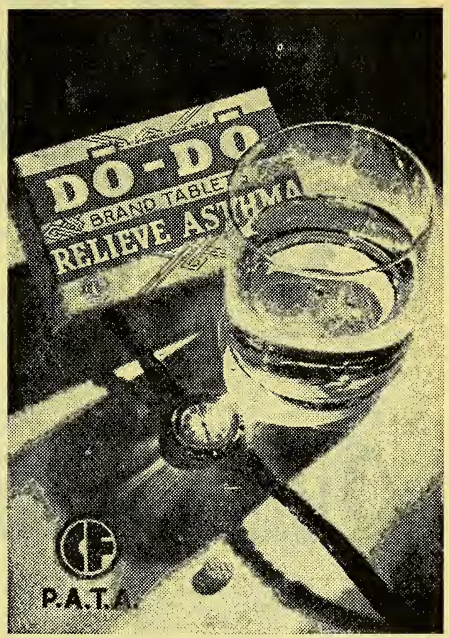

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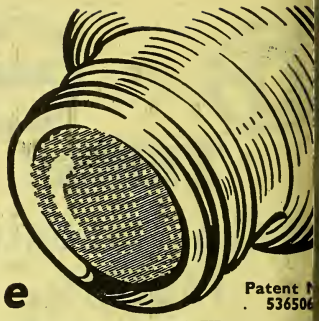

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WHITEX. A laundry blue. Also TIN Stocking Dyes in 3 shades: Tanglo, Pan, Mist B TINTEX Colour Remover, 6d.

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EVERY PERSON ENTERING YOUR STORE REQUIRES

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EITHER FOR HIMSELF OR A FRIEND OR RELATIVE

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An N.W.F. formula now being used extensively by Public Health Authorities.

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MEDICATED (LETHANE) HAIR OIL N.W.F.

Insecticide for control of Nits and Head Lice

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		Retail Price	CHEMISTS' PRICE Per unit				Per dozen			
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TMENT	4 oz. tube	6/8½	4/2½	+	8½		50/5	+	8/5	
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UID	40 c.c. bottle	3/4½	2/1½	+	4½		25/3	+	4/3	
HTHALMO-ANTIPEOL										
r. Nozzled tube		3/4½	2/1½	+	4½		25/3	+	4/3	
INO-ANTIPEOL										
r. Nozzled tube		2/9½	1/9	+	3½		21/–	+	3/6	
TEROFAGOS (ORAL AND INJECTABLE)										
of 50 ampoules		19/–	13/3½		None		159/7		None	
, 10 ,, ...		4/3	3/–		None		35/8		None	
, 5 ,, ...		2/6	1/9		None		21/–		None	
TENSYL										
of 500 tablets		39/–	24/–	+	4/–		288/–	+	48/–	
e of 50 ,, ...		4/5½	2/8½	+	5½		32/4	+	5/5	
JAMES' BALM										
of approx. 2½ ozs.		2/10	1/11	+	4		22/6	+	3/9	
,, ,, 1 oz.		1/5	11	+	2		11/3	+	1/11	
e		1/2	9	+	2		9/–	+	1/6	

Carriage paid on all orders of 1 dozen or £1 and over.
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'Calfos,' which is derived from natural sources, supplies calcium and phosphorus in a palatable, concentrated form which ensures absorption in the correct physiological ratio. It thus marks an advance in nutritional therapy of outstanding importance to all who suffer from calcium and phosphorus deficiency.

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The CHEMIST AND DRUGGIST SUPPLEMENT

This Supplement is inserted in every copy of The Chemist & Druggist

APRIL 17 1943

28, ESSEX STREET, LONDON, W.C.2

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